

**DEPARTMENT OF ENGLISH**

**PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME,  
COURSE OUTCOME**

**B. A. (COMPULSORY ENGLISH) Course Outcomes (CO's)**

**B. A. I, B. A. II, B. A. III (English Compulsory)**

After successful completion of the course, a student will learn following skills-

1. Spoken communication and written communication.
2. Writing of Resume, letters of application, business letters.
3. Writing News-report, Essay, paragraph, review, etc.
4. Narration of experience, daily routine.
5. Interview Techniques.
6. Understanding and interpretation of poem, prose, essay, short stories, etc.

**B. Com. (COMPULSORY ENGLISH) Course Outcomes (CO's)**

**B. Com. I, B. Com. II, B. Com. III (Compulsory English)**

After successful completion of the course, a student will learn following skills-

1. Spoken communication and written communication.
2. Writing of Resume, letters of application, business letters.
3. Writing News-report, Essay, paragraph, Review, etc.
4. Communication and its types.
5. Interview Techniques, Presentations and Leadership.
6. Understanding and interpretation of poem, prose, essay, short stories, et

**B. Sc. (COMPULSORY ENGLISH) Course Outcomes (CO's)**

**B. Sc. I (Compulsory English)**

After successful completion of the course, a student will learn following skills-

1. Use correct English in oral as well as written form.

2. Inculcate the human values for one's transformation of behaviour.
3. Interpret the literary works by critical analysis.
4. Compare literary works of the great writers and philosophers by using their logic and literary competency.
5. Nurture themselves in soft skills and develop research aptitude.
6. Apply the study of English Language & Grammar in their practical life.

**Bar.Ramrao Deshmukh Arts, Smt. Indiraji Kapadiya Commerce and Ny. Krushnarao**

**Deshmukh Science College, Badnera Dist. Amravati**

## **DEPARTMENT OF MARATHI**

### **PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME**

#### **PROGRAM OUTCOME/MARATHI**

Students completing Graduation with Marathi, Subject will get knowledge about

PO1: Our rich and everlasting cultural heritage.

PO2: Valued knowledge traditions, esoteric philosophical systems, esteemed ethical and value system.

PO3: Great contributions made in different fields of knowledge by ancient Indians.

PO4: Uniqueness and greatness of Marathi language and literature. PO5: Desire to acquire knowledge in and about Marathi, our heritage, traditions and culture.

#### **PROGRAM SPECIFIC OUTCOME/ Marathi**

PSO1: Create an interest in literature.

PSO2: Availing the job opportunities in translation, transformation and Media.

PSO3: Developing the language.

PSO4: Increasing the critical attitude about literature studies.

PSO5: Understand the interrelation between literature and society.

PSO 6: Understand the nature of language and literature.

PSO 7: Contemporary writers, poets understand the flow of thought.

PSO8: Information about phonetics.

## PROGRAM SPECIFIC OUTCOME

SO1: Students should be introduced to this literary type of ideological essay poetry.

PSO2: The rules of Marathi writing should be understood from this study. PSO3: It is expected that they will be able to print.

PSO4: It is expected that the students will be able to study the literary genres of novels and poems in a meticulous manner, be able to express themselves, take notes, write essays and evaluate literary works.

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### DEPARTMENT OF HOME ECONOMICS

#### PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME

#### I. Program Outcome of Bachelor of Arts (B.A.) Home Economics

##### Programme Specific Outcome: B. A.

PO1: Develop skills and capacity in order to make happy home & family life.

PO2: Develop the mental & physical health of people.

PO3: Develop the entrepreneur skill and learn to earn.

PO4: To prepare Event Management.

PO5: Develop the values of family life & achieve goals of life.

PO6: They identify the problems of childhood and to find the solutions.

PO7: Strengthen the living standard of people.

PO8: Develop the interest of the students in research on rural area.

##### Program Specific Outcomes:

PSO1: Develop skills and capacity in order to make happy home & family life.

PSO2: Develop the mental & physical health of people.

PSO3: Develop the entrepreneur skill and learn to earn.

PSO4: To prepare Event Management.

PSO5: Develop the values of family life & achieve goals of life.

PSO6: They identify the problems of childhood and to find the solutions.

PSO7: Strengthen the living standard of people.

PSO8: Develop the interest of the students in research on rural area.

## Course Outcomes:

### B. A. - SEM-I

CO1: To introduce the student to the field of Home Economics

CO2: Create an awareness among the student about resources and their management in the family and other field

CO3: Make aware about decision making capability of women.

CO4: Provide knowledge and develop skills regarding principles and methods of interior decoration.

CO5: Develop skill regarding preparing the bouquet and flower arrangements for decoration and get employment.

### B.A.-SEM-II

CO1: Acquire basic knowledge of principles of residential house

CO2: Apply various method and techniques of work simplification

CO3: Employability skills for earning while learning.

CO4: Bring awareness about waste management and water conservation for environment protection

CO5: Train the student from self-employment point of view.

### B.A.-SEM-III

CO1: Understand the basic concept of nutrition.

CO2: Gain the knowledge of food, functions of food and Nutritive values.

CO3: Develop abilities to prepare diet plan for various stages.

CO4: Inspire the entrepreneurial skill.

### B.A.-SEM-IV

CO1: Develop the abilities diet plans for various diseases.

CO2: Understand the methods of food preparation and preservation.

CO3: Encourage the students for self-employment.

CO4: Aware the work of different agencies in the area of health.

### B.A.- SEM-V

CO1: They Introduce the concept of human development.

CO2: Know the factors affecting on human development.

CO3: Study the definitions and meaning concerning concepts.

CO4: Know the Developmental task up to childhood.

### B.A.-SEM-VI

CO1: Aware the role of Heredity & environment in human development.

CO2: To state the role of parents and teachers in child development.

CO3: Introduce the problems of childhood and find the solutions.

CO4: Inspire the students for skill-based activity.



## Course Outcomes/ Marathi B.A I (Semester I)

Co1: Knowledge about Walking.

Co2: To know the importance of Education.

Co3: Understand the features of Vinoba Bhave's literature. Co4 : To know the importance of inspiration in life.

Co5 : To introduce a folk Literature .

Co6: To understand the life of Farmer and women . Co7 : To introduce poets & their works .

## B.A I Year Sem II

Co1: To inform literature of Swami Vivekanand . Co2: Understand the importance of Marathi language. Co3: To Devolve Scientific View.

Co4: To know the importance of Mother. Co5: Understand the Letter Writing.

Co6: To introduce poets & their works.

## B.A II Year Sem III

Co1: To inform literature of Sant Literature .

Co2: Understand the importance of Marathi language. Co3: To know the importance of Science.

Co4: To know the importance of Animals & Birds

Co5: Understand the honor of women. Co6: To introduce poets & their works.

## B.A II Year Sem IV

Co1: To know the importance of land.

Co2: To know the Comparison of Man and Women. Co3: To know about Science.

Co4: To know the importance of Mirror

Co5: To introduce the thoughts of Sant Gadge baba. Co6: To understand the sensivity about urban life.

Co7: To know the speciality of the poet like Sant Ekanath, Sant Kanhopatra , Rajesh Mahalle, Shanta Shelake, Mirza Beg, Anil, Parsawale's literature.

## B. A. III Year Sem V

Co1: To understand humanity. Co2: To know the Power of Mind.

Co3: To introduce the speciality of Mahatma Fule's literature. Co4: To know the importance of water.

Co5: To know the importance of trees ,nature in our life. Co6: To understand the value of Urban aria.

Co7: To understand the value of life.

Co8: To know the speciality of poet and their poems like Tukaram ,Rramdas, Balkavi, Gres, wahru Sonavane ,Sukhdev Dhanke literature.

### **B. A. III Year Sem VI**

Co1: To understand the thought of Dr. Panjabrao Deshmikh, rajrshi Shahu Maharaj, and Rajmata Jijau

.Co2: To know the importance of food taste in our daily life and our happiness. Co3: To introduce the spectacles and its uses.

Co4: To know the special character of Arani. Co5: To know factual picture of human life.

Co6: To understand the comic events in the story.

Co7: To know the speciality of poet and their poems like Sant Shekh Mahamd, Father Stifan, Mardhekar, Narayan surve ,dahake,Kavathkar, and Baban Saradkar.

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### **DEPARTMENT OF GEOGRAPHY**

**PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME,  
COURSE OUTCOME**

### **PROGRAM OUTCOME GEOGRAPHY**

Students completing Graduation with Marathi, Subject will get knowledge about

PSO1: To study the nature of Geography

PSO2: To Study the Solar System and Earth

PSO3: Application of Geomorphology to Human Activities

PSO4: Study of Climatology

PSO5: Composition and Structure of the Atmosphere,

PSO6: Study of Oceanography

I. Program Outcome of Bachelor of Arts (B.A.) Home Economics

**PROGRAMME SPECIFIC OUTCOME: B. A.**

PSO1: Understand and study the geographical aspect.

PSO2: Study of different environmental issues regarding climate.

PSO3: Understand and study the geography of India with reference to Maharashtra.

PSO4: Work as a cartographer.

PSO5: Prepare for competitive examination.

PSO6: Get professional education and serve as teacher in school.

PSO7: Do post-graduation to acquire eligibility to work as professor in colleges.

**PROGRAM OUTCOMES:**

PO1: Develop skills and capacity in order to make happy home & family life.

PO2: Develop the mental & physical health of people.

PO3: Develop the entrepreneur skill and learn to earn.

PO4: To prepare Event Management.

PO5: Develop the values of family life & achieve goals of life.

PO6: They identify the problems of childhood and to find the solutions.

PO7: Strengthen the living standard of people.

PO8: Develop the interest of the students in research on rural area.

**COURSE OUTCOMES:**

CO1: Students will get information about solar systems and understand the concepts of earth's origin, its movements and its eclipses.

CO2: Students will understand the interior structure of the earth, its slow and sudden movements, its effects, the landscapes and work associated with- river, glaciers, wind and underground water.

CO3: Students will understand the role of geography in human activities and facts regarding natural hazards.

CO4: Students will get acquainted with the concepts regarding climatology i.e. weather climate and affecting factors.

CO5: Students will understand atmospheric structure and factors related atmospheric temperature, pressure, wind, rainfall.

CO6: Students will know the surface configuration of major oceans, oceanic Circulations and its effects, marine deposits, temperature, salinity distribution of oceans and sea.

CO7: Students will understand the diversities, physical divisions drainage systems, climate, soil types major, population distribution urbanization, mineral, industrial regions and international trade and get information about geographical tourist places.

CO8: Students will understand various facts regarding atmospheric pollution and global warming.

CO9: Students will get able to identify contour structures and interpreter.

CO10: Students will use cartographic methods for maps and can prepare various graphs.

CO11: Students will be able to interpret topographical maps and weather reports of India.

CO12: Students will get knowledge of surveying techniques.

CO13: Students will be able to use statistical methods to calculate geographical data.

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## **DEPARTMENT OF HISTORY**

### **PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME**

#### **Program Specific Outcomes**

- 1] Students will have the ability to apply historical methods to evaluate critically the past and how historians and others have interpreted it.
- 2] Students will be able to acquire basic historical research skills, including the effective use of libraries, archives and data bases.
- 3] Being a subject of social science, history has its own value in society and human life.
- 4] Understand background of our religion, customs institutions, administration and so on.
- 5] Understand the present existing social, political, religious and economic conditions of the people.
- 6] Students will be able to recognise how different individuals, groups, organisations, societies, cultures, countries and nations have affected history. History gave the students wisdom and foresight for the future.
- 7] Analyze relationship between the past and the present is lively presented in the history.
- 8] Develop practical skills helpful in the study and understanding of historical events. They:
  - (a) Draw historical maps, charts, diagrams etc.
  - (b) Prepare historical models, tools etc.
- 9] Develop interests in the study of history and activities relating to history. They:
  - (a) Collect ancient arts, old coins and other historical materials.
  - (b) Participate in historical drama and historical occasions;
  - (c) Visit places of historical interests, archaeological sites, museums, and archives.

- (d) Read historical documents, maps, charts etc.
  - (e) Play active roles in activities of the historical organizations and associations; and
  - (f) Write articles on historical topics.
- 10] A history student may choose his or her career in journalism or any other editorial board. They may get job in museum, archives and libraries. Beside those, in the field of research and archaeology they may proceed.

## Course Outcomes

### **B.A. - SEM I : History of India , From Earliest Times to 1206 AD**

- 1) Students will be able to examine institutional basis of Ancient India
- 2) Students will be able to illustrate the development of empire
- 3) Students will be able to explain our heritage through cultural aspects of Ancient India.
- 4) Students will be able to indicate multiple cultures ( Vaidic , Jain , Bouddha, Mourya , Vakatak etc ) of Ancient India
- 5) They take interest to visit historical place and understand ancient India through caves, Temple, Art Architecture.
- 6) They collect Art ,coins, other material related to Ancient History
- 7) They knowing the importance of Sources of History.

### **B. A. - SEM II : History of India , From 1206 AD to 1525 AD**

- 1) To study and Analyze Administration of Qutubuddin Aibak , Allutmish, Razia, Balban
- 2) To understand Political and Administrative Policy of Allauddin Khialaji
- 3) To Comrehend the Social, Economical and Relegious Condition of Bahamini Vijaynagar Kingdom.
- 4) To Evaluate the Political structure during Sultanate Period.
- 5) To understand the economical and Technological Development during Sultanate Period.
- 6) To understand the social status of Women during Sultanate Period.

### **B.A.- SEM III :History of India, From 1526 AD to 1756 AD**

- 1) To study and Analyze Sources of Medieval Indian History.
- 2) To know economical , social, religious and cultural conditions of Mugal Periods
- 3) To understand Political Adminstration , Military system , Judicial administration and religious policy of Maratha.

- 4) Students will be able to demonstrate by analyzing and evaluating historical information from multiple sources of Maratha History
- 5) Students will be able to examine the difference between fact and fiction of Maratha History
- 6) Students will be able to discuss the religious policies of Chhatrapati Shivaji Maharaj and background of healthy Nationalism in India

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## **DEPARTMENT OF ECONOMIC**

### **PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME**

#### **I. Course Outcomes of Economics**

##### **B.A.-I-SEM-I Micro Economics**

- 1) It will help students in understanding the behaviour of individuals and small organizations in making decisions on the allocation of limited resources..
- 2) Judging the factor pricing.
- 3) Understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development.
- 4) Students will understand and demonstrate core micro-economic terms, concepts, and theories.

##### **B.A.-I-SEM-II -ECONOMY OF MAHARASHTRA**

- 1) It will result in comprehensive understanding of Maharashtra Economy
- 2) Student will be able to understand govt. policies and programs
- 3) Student will be able to understand the landscape of Maharashtra economy
- 4) Students will be able to understand how planning and infrastructure support can develop an economy.

##### **B.A.-II-SEM-III- MACRO ECONOMICS**

- 1) To make student aware of the basic theoretical framework underlying the field of macroeconomics.
- 2) It helps students to study the aggregates and to provide overall idea about national economic policies and its implications.
- 3) Explain and anticipate the consequences of changes in the quantity of money on such economic variables as interest rates, inflation, the exchange rate, and unemployment

- 4) Understand various concepts of money and money substitutes

#### **B.A.-II-SEM-IV- BANKING**

- 1) •It is designed as a contemporary, rigorous, innovative and practical course that aims to infuse the participants with the relevant banking knowledge and skills.
- 2) To give in-depth knowledge of Banking & Finance to the students of economics with practical inputs and prepares them as a responsible customer.
- 3) Students will be able to understand the nature of financial instruments and their usage.

#### **B.A.-III-SEM-V- INDIAN ECONOMY**

- 1) It will result in comprehensive understanding of Indian Economy
- 2) Student will be able to understand govt. policies and programs
- 3) To give in-depth knowledge of Banking & Finance to the students of economics
- 4) A little understanding of India and Global economy will also be included.

#### **B.A.-III-SEM-V- DEMOGRAPHY**

- 1) To make the students aware of the importance of population in economic development and the various theories that explain the growth of population in a country.
- 2) Students will learn how to think critically about public policy issues.
- 3) Understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development.
- 4) Understand demographic measurements like fertility and mortality rates
- 5) Describe a variety of demographic theories such as Malthusian, cornucopian, zero population growth, and demographic transition theories.

## DEPARTMENT OF POLITICAL SCIENCE

### PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME

#### Program Outcomes

- The program under Arts faculty are broadly categorized into Languages and Social Sciences.
- The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.
- The B.A. graduates will be acquainted with the social, economical, historical, political, ideological and tradition and thinking.
- The program also empowers the graduates to appear for various competitive examinations or choose the post graduate program of their choice.
- The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.
- The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.
- Understand the issues of environmental contexts and sustainable development.
- To make student able to realize the importance of human values.
- To make student aware regarding social service.

#### Program Specific Outcomes

- 1) Acquiring knowledge of Constitution of India.
- 2) Understanding the political system of our Nation.
- 3) Understanding the Government mechanism from Gram Panchyat to Parliament- its functions, duties & responsibilities.
- 4) Acquiring knowledge of political Law.
- 5) Study from competitive examination point of view.
- 6) Knowledge about the Indian and Foreign Politics.
- 7) Knowledge about Political Thought.
- 8) Knowledge about Comparative constitutional System.



## Course outcomes

### **B. A. I Sem. Course : Indian Constitutional Provisions and Local self Government :**

- 1) Understand the Salient features of the Indian Constitution.
- 2) To acquire knowledge of Preamble its Objectives, Nature and Importance.
- 3) Understand the Structure and Powers of Parliament.
- 4) To comprehend the Structure of Indian Judiciary.

### **B.A. II Sem. Course : Indian Constitutional Provisions and Local self Government :**

- 1) Understand The Election Commission of India its structure, Function and Powers.
- 2) To know about the Eligibility of voters in Loksabha, Vidhansabha and Vidhan Perished Election.
- 3) To identify the Structure, Power and Function of Municipal Corporation, Gram Panchayat and Gram Sabah.
- 4) To evaluate Women's Participations in Panchayat Raj of Maharashtra.

### **B.A. III Sem. Course : Selected Constitutions and International Relations)(U.K.,U.S.A. & China)**

- 1) Understand Salient Features of the Constitution of U.K. and U.S.A.
- 2) To study and analyze Historical Background of Crown and its power.
- 3) To evaluate the process of Prime Minister's Appointment, Role and Function.
- 4) To compare Parliamentary System of U.K.
- 5) Understand Judiciary and the Election Process, Powers and Function of U.S.A. President.

### **B.A. IV Sem. Course : Selected Constitutions and International Relations)( China, UNO) :**

- 1) Understand Salient Features of the Constitution of China.
- 2) To Comprehend Composition, Powers and Functions of National People Congress.
- 3) To study and analyze Composition, Powers and functions of Standing Committee.
- 4) To evaluate the process of Appointment, Function and Role of President of China.
- 5) To study and analyze Charter, Aims and Basic Principles of United Nation Organization.

### **B.A. V Sem. Course : Modern Concepts and Policy in Politics :**

- 1) Understand Meaning, Factors and Role of Leadership.
- 2) To comprehend Meaning and Nature of Indian Reservation Policy.
- 3) To study and analyze Meaning and nature of Nationalism.
- 4) Understand Meaning and Role of Communalism.
- 5) Understand Meaning and Definition of Terrorism.

**B.A. VI Sem. Course : Concepts of Western and Indian Thinkers :**

- 1) To study and analyze Aristotle's Classification of state.
- 2) Comprehend M.K. Gandhi's Concept of Ramrajya.
- 3) Understand Walter Bagehot's, and Abraham Lincoln's Concept of Democracy.
- 4) Understand Dr. B. R. Ambedkar's Parliamentary Democracy.
- 5) To study and analyze Karl Marx's concept of Socialism.

**B.A.- SEM IV: History of India , From 1757 AD to 1947 AD**

- 1) To understand the advent of Portuguese , French and British.
- 2) To study and analyze the revolt 1857 AD.
- 3) To understand the concept of Nationalism.
- 4) To study the various concept of Mahatma Gandhi

**B.A.- SEM V: History of Modern Europe 1780 AD to 1920 AD**

- 1) To study and analyze French Revolution
- 2) To know making of nation.
- 3) To acquire knowledge of Ruse-French pact
- 4) To know about first world war.
- 5) To understand paris peace conference and Varsaya pact.

**B.A.- SEM VI: History of Modern World From 1921AD to 1965 AD**

- 1) To understand the concept of Fascism and Nazism
- 2) To know about the second world war.
- 3) To study and analyze united nation organization.

- 4) To acquire knowledge of the cold war and different Military Alliances.
- 5) To know about the suez crisis,
- 6) To understand Aligned movement.

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## **DEPARTMENT OF STATISTICS**

### **PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME**

#### **1. Program Outcome of Bachelor of Arts (B.A.)**

Student seeking admission for B.A. programme is expected to imbue with following quality which help them in their future life to achieve the expected goals.

PO1: Think critically for data driven solution with advanced Methodology.

PO2: Nurture their curious minds toward translation and application & Statistical knowledge.

PO3: Get knowledge and skills in depth necessary for employability of students in industry.

PO4: Be empowered to investigate, solve questions for which answer lies

PO5: Take proper decision in critical and complicated situations.

PO6: Get acquainted with the needs of the industry and society.

PO7: Social interaction: Develop sensitivity for social issues and become productive citizen of the nation.

#### **Programme Specific Outcomes of Statistic**

PSO1: Understand basic theoretical and applied principles of Statistics needed to enter the job force.

PSO2: Groom as the next generation statisticians ready for scientific decision making, aided with advanced statistical software.

PSO3: Start consultancy for statistical analysis and can be helpful in interdisciplinary research.

PSO4: Perform Statistical quality control, which is the most important sector of any industry.

#### **Course Outcomes of Statistic**

At the successful completion of the course, students will be able to

CO1 : Develop problem solving techniques needed to accurately calculate probabilities and selected probability distributions

CO2 : Apply problem solving techniques to solve real world events.

CO3 : Be in a position to calculate statistic such as mean and variance of commonly used probability distributions.

1. They will be able to analyses economic behavior in practice.
2. Economics students in general will be able to pinpoint and understand the past, present economic conditions of the country.

## DEPARTMENT OF COMMERCE & MANAGEMENT (B.COM)

### PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME

#### Programme Outcome:

- To provide well versed and trained human resource to meet the requirements of the industry in the fields of Accountancy, Taxation, Banking, Insurance, marketing, e-commerce, international economics & research.
- To impart and develop the oral and written communication, Information Technology, statistical skills & legal knowledge.
- To develop and inculcate entrepreneurial skills among the students.
- To prepare students to adapt latest trends by engaging lifelong learning to pursue higher studies / succeed in employment in the field of business.

#### Programme Specific Outcome:

- After successful completion of B.Com. Degree, a student should have-
- Knowledge and set of skills to meet the challenges of industry with an ease.
- Understanding and the knowledge applying mathematical tools and techniques for research in field of Commerce.
- Mastered practical skills to work as accountant, audit assistant, tax consultant, and computer operator. As well as other financial supporting services.
- Ability to used communication skills in the field of business.
- An understanding of professional & ethical responsibility.

#### Course Outcomes

##### **B. Com First Year Semester I**

##### **Course/ Subject : Advance Accountancy**

CO1 To understand Basis Terms and Concept of Book Keeping and Accounting

CO2 To understand Accounting cycle and primary and secondary books of Account

- CO3 To understand, how to prepare the trial balance & Final Account
- CO4 To understand various types of error and its rectification
- CO5 To understand How to prepare the Final Account of Individuals
- CO6 To understand concept of Depreciation, it's types and Accounting
- CO7 To understand concept of Bank Reconciliation Statement and How to prepare the Bank Reconciliation Statement

**Course/ Subject: PRINCIPLES OF ECONOMICS**

- CO1 To Understand the concepts of economics and its usefulness in real life situation.
- CO2 To Understand the importance of Law of Demand, Theory of Utility in business.
- CO3 To understand the concepts, nature of production and its relationship to Industry.
- CO4 To Understand the various concepts of cost and its application in industry.

**Course/ Subject: PRINCIPLES TO BUSINESS ORGANISATION**

- CO1 On successful completion of this subject the learners would acquire the knowledge about the various facets of business.
- CO2 To know the Meaning, Scope and Evolution of Commerce and Industry, Industrial Revolution- Its Effects
- CO3 The learners would gain in-depth insights of conduct of business & basics of business management.
- CO4 To learn the procedure of Import – Export Trade
- CO5 To understand the concept of BPO's and KPO's, Patents, Trademarks, Copyrights, Networking of Business

**Course/ Subject: COMPUTER FUNDAMENTAL AND OPERATING SYSTEM**

- CO1 To provide computer skills and knowledge for commerce students
- CO2 To make students familiar with computer environment & operating systems
- CO3 To provide understanding of the principles and working of the hardware and software aspects of computer systems.
- CO4 To provide the basic knowledge of MS Word, Windows

**Course/ Subject: FINANCIAL ACCOUNTANCY**

- CO1 To understand concept of Non-Profit organization, Receipts & Payment Account, Income & Expenditure Account & Balance Sheet
- CO2 To understand concept of Cooperative Society & Prepare Final Account of Cooperative Society as per Maharashtra State Cooperative Society Act 1960.
- CO3 To understand concept of Agriculture Farm Accounting and Preparation of Final Account of Agriculture Farm
- CO4 To understand concept of Hire Purchase and Installment & difference between Hire Purchase & Installment and its Accounting Procedure
- CO5 To understand various concept of Insolvency , Law of Insolvency, Procedure of Insolvency

**Course/ Subject: BUSINESS ECONOMICS**

- CO1 To Understand the application of economics theory & principles in the field of business.
- CO2 To understand the various market structure and their working mechanism.
- CO3 To Understand the used of price determination under various market structure.
- CO4 To understand the factor pricing theories and its application in business.

**Course/ Subject: PRINCIPLES TO BUSINESS MANAGEMENT**

- CO1 The students will come to know the concept & importance of Management.
- CO2 To understand the Concept, Nature and Importance of Planning
- CO3 To know the Concept, Nature & Principles of Organization.
- CO4 To learn the Concept, Meaning and Importance of Motivations
- CO5 To apply the Tools, techniques & Process of Controlling

**B. Com Second Year Semester III****Course/ Subject : Business Mathematics and Statistics**

- CO1 To develop Quantitative Aptitude among the students
- CO2 To develop Competitive Examination Awareness through Minimum Knowledge of Mathematics

- CO3 To Provide basic knowledge of day to day business activity through Discount, Commission and Brokerage, Average, Profit & Loss, Simple Interest Problems
- CO4 To understand meaning of Statistics in various Aspects.
- CO5 To understand concept of Presentation of Data & it's Methods

**Course/ Subject: Monetary System**

- CO1 To understand the money and its various types & importance of money in the economy.
- CO2 To Explain the value of money and its importance.
- CO3 To understand the concepts of inflation and deflation & various phases of Trade cycle.
- CO4 Explain the functions money market, capital market and stock market

**Course/ Subject: Company Accounting**

- CO1 Understanding and implementation of business transactions of business into practical accounting.
- CO2 To understand the concept of Issue, forfeiture and Re-issue of Shares.
- CO3 To provide knowledge about the practical Final Accounts of company comprising Trading, Profit & Loss Account & Balance sheet.
- CO4 To learn the Amalgamation, absorption of Company

**Course/ Subject: Auditing**

- CO1 Apply critical thinking skills and solve auditing problems.
- CO2 To understand the Concepts of dividend and types of dividend
- CO3 To articulate knowledge of Fundamental Audit concepts
- CO4 To understand the concept of Internal Check System, Audit Program, Routine Checking and Vouching Verification and Valuation of Asset and Liabilities

**Course/ Subject: INFORMATION TECHNOLOGY AND BUSINESS DATA PROCESSING**

- CO1 To enhance the students' understanding of usefulness of information technology tools for business operations
- CO2 To Discuss the System, Design and Database Management in MIS.



- CO3 To learn the basics of Spreadsheet, how to use and apply Excel and Excel add-ins to solve business problems:
- CO4 Apply formulas and functions in Spreadsheet for Accounting, Statistical and Business purposes.
- CO5 Use Spreadsheet in business reporting which will assist in decision making
- CO6 To Provide basic knowledge of Tally to handle business transaction

## **B. Com Second Year Semester IV**

### **Course/ Subject : Income Tax**

- CO1 To articulate knowledge of Fundamental Income Tax concepts
- CO2 To apply critical thinking skills and solve Income Tax Problems
- CO3 To apply knowledge of tax for computation of income from salary, house property and from other source and e-filing Procedure of Return of Income
- CO4 To enhance understanding Tax Planning, Advance Tax, Permanent Account Number (PAN) & Tax Deduction at source (TDS)
- CO5 To gain knowledge about Structure of income Tax Authority & their powers

### **Course/ Subject: Indian Financial System**

- CO1 To understand the Indian financial system and importance in Indian economy.
- CO2 To understand the Indian banking and various concepts of banking.
- CO3 To explain various function of central bank, commercial bank and there importance in the economy.
- CO4 To explain functions of stock market & its importance in the economy.

### **Course/ Subject: Corporate Accounting**

- CO1 To understand the concepts of Final Accounts of Banking Company (including Profit & Loss Account & Balance Sheet)
- CO2 To understand the concept of share, need, & various method of valuation of Shares
- CO3 To understand the need, characteristics, method of valuation of goodwill. Including Average Profit Method, Super Profit Method & Capitalization Method
- CO4 To enable the accounting. students to develop awareness about corporate

**Course/ Subject: Auditing**

- CO1 Apply critical thinking skills and solve auditing problems.
- CO2 To understand the Concepts of dividend and types of dividend
- CO3 To articulate knowledge of Fundamental Audit concepts
- CO4 To understand the concept of Internal Check System, Audit Program, Routine Checking and Vouching Verification and Valuation of Asset and Liabilities

**B. Com Final Year Semester V & VI****Course/ Subject: Business Environment**

- CO1 To provide knowledge and interpret sector wise Business Environment of India
- CO2 To understand Indian Agriculture Environment and agriculture economy of India
- CO3 To gain knowledge about Indian Industrial environment and various industrial policies
- CO4 To Understand about role and importance of service sector in Indian economy
- CO5 To learn about foreign and international trade and its various tools and techniques

**Course/ Subject: Business law**

- CO1 The student will well verse in basic provisions regarding legal frame work governing the business world.
- CO2 To know the students with the basic concepts, terms & provisions of Mercantile and Business Laws.
- CO3 To develop the awareness among the students regarding these laws affecting trade business, and commerce.
- CO4 To inculcate knowledge on various laws relating to business such as law of contract, law of sale of goods, law of agency, Negotiable Instruments Act.

**Course/ Subject: Cost & Management Accounting I and II****Semester V & VII**

- CO1 The students will be capable of applying and handling the accounting treatment of Cost accounting of company.
- CO2 Understanding application of practice tools and methods in management accounting.

CO3 It will help to recognize commonly used financial statements, their components and how information from business transactions flows into these statements.

CO4 To understand the application of costing to apply for tender or quotation

CO5 To understand the Techniques of Ratio Analysis, Breakeven Point & Fund flow statement

**Course/ Subject: E-commerce I and II**

**Semester V & VII**

CO1 To understand the working of e

CO2 To explain the growth & future of e

CO3 To understand the e

CO4 To understand the Internet based various e-commerce business models and its applications.

CO5 To explain the internet marketing and its importance in online business.

CO6 To understand and analysis e-governance various models ,application and importance

**Course/ Subject: Internet and World Wide Web I and II**

**Semester V & VII**

CO1 To gives a deeper understanding of Internet and Network Technology

CO2 To familiarize the student with various applications of internet technologies in business

CO3 To provide skills and knowledge to create and maintain a website for business

CO4 To prepare students in web designing using various web tools.

CO5 To develop skill and knowledge among students in applications of internet in education of commerce.

**Course/ Subject: Economics of Development Semester VI**

CO1 To interpret various growth model and applicability in present scenario

CO2 To understand the concept of economic development and growth

CO3 To understand various growth model and their applications

CO4 To understand concept and importance of special economic zone (SEZ)

CO5 To understand the importance of human resource development and quality of human capital

**Course/ Subject: Company Act 2013 Semester VI**

- CO1 To impart basic knowledge of the provisions of the Companies Act
- CO2 To impart students with the knowledge of fundamentals of Company Law and provisions of the Companies Act of 2013.
- CO3 To apprise the students of new concepts involving in company law regime.
- CO4 To acquaint the students with the duties and responsibilities of Key Managerial Personnel.
- CO5 To explain the meaning and nature of share, debenture, capital and their type.

**Bar.Ramrao Deshmukh Arts, Smt. Indiraji Kapadiya Commerce and Ny. Krushnarao  
Deshmukh Science College, Badnera Dist. Amravati**

**DEPARTMENT OF COMMERCE & MANAGEMENT (M.COM)  
PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME,  
COURSE OUTCOME**

**Program Outcome: -**

1. Impart the students with conventional and contemporary trends in commerce field.
2. To make aware a student about the national as well as international trends in the field of industry.
3. To empower the students for self-employment, accounting and auditing practices, role of regulatory bodies in corporate and financial sectors nature of various financial instruments.
4. Sensitizing Professional ethics and societal needs with their holistic development
5. Prepare for pursue career in the field of academics and research.

**Program Specific Outcomes: -**

1. For pursuing PhD in their chosen research area.
2. To enhance the horizon of knowledge in various field of commerce through advertising and sales promotion, finance and entrepreneurial development.
3. To enhance the computer skills and its applicability in business through e-commerce principles.
4. Train the students on teamwork, lifelong learning and continuous professional development.
5. Prepare the students to apply Statistical methods and proficient use of tools for modeling and analysis of business data.

6. Equip the students to evaluate environmental factors that influence business operation with the conceptual requirements and skills on preparation and interpretation of financial statements.

## Course Outcome

### Semester I

#### Managerial Economics

1. Ability to forecast demand considering changing circumstances and to formulate business plans.
2. Ability to chalk out Business Policies.
3. Knowledge about Profit Planning and control.
4. Skill to analyze effects of Government Policies.

#### Services Marketing & Customer Relationship Management

1. To know the services vision and mission
2. To study services positioning and differentiation
3. To familiarize service marketing mix
4. To analyze the customer focused services
5. To study the specific service marketing

#### Advanced Financial and Cost Accounting Course Outcome

1. Ability to calculate Goodwill, evaluate shares adopting different methods and preparation of final accounts of Indian Companies.
2. To analyse the internal or external reconstructions of companies
3. To study the costing concept and methods
4. To analyse the unit cost and job costing
5. To know the process costing with normal and abnormal loss
6. To update the standard costing methods
7. To prepare the reconciliations statements.

#### Banking and Insurance Services Course Outcome

1. Understanding the operations and working of insurance companies in India.

2. To familiarize the banking sector reforms
3. Capability to assess the significance of online banking.
4. Understanding the functions and significance of RBI in India.
5. Knowledge regarding different models of bancassurance in India.
6. Understanding of the different techniques of risk management

## **Semester II**

### **Accounting for Managerial Decisions Course Outcome**

1. To know the basics of management accounting
2. To study the financial statement analysis
3. To familiarize fund flow cash flow statement
4. To analyze various budget
5. To familiarize with marginal costing

### **Strategic Management Course Outcome**

1. Familiarization with the strategic management process.
2. Understanding about the techniques to scan an environment and the role of environment scanning in hurdle less strategic management of an organization.
3. Understanding about the equal importance of strategy formulation and strategy implementation.
4. Clarity about the strategies followed by different companies in the corporate world.

### **Management Concept & Organizational Behavior Course Outcome**

1. Evolution of Management and contribution of Management thinkers
2. the relevance of environmental scanning, planning and to take decisions,
3. Organizing and controlling
4. Individual and group Behavior
5. Leadership and Motivation.

### **Computer Applications in Business Course Outcome**

1. Gain familiarity with the concepts and terminology used in the development, implementation and operation of business application systems.
2. Explore various methods that Information Technology can be used to support existing businesses and strategies.
3. Investigate emerging technology in shaping new processes, strategies and business models.
4. Achieve hands-on experience with productivity/application software to enhance business activities.
5. Accomplish projects utilizing business theories, Internet resources and computer technology.
6. Work with simple design and development tasks for the main types of business information systems

### **Semester III**

#### **Research Methodology Course Outcome**

1. To fulfill the bank requirement of business research
2. To evaluate various research decisions
3. To know the methods of data collection
4. To study the analysis and interpretation of data
5. To familiarize report writing

#### **Statistical analysis Course Outcome**

1. To update basis of statistics
2. To analyse the various methods of theoretical probability distribution
3. To know the advanced statistical tools for analysis T,Z and d
4. To familiarize the correlation methods and regression analysis
5. To study the advanced application oriented tests – F , test and Anova

#### **Corporate Tax & Management Course Outcome**

1. To update the current finance tax planning
2. To know the provisions of Income tax act
3. To study various heads of incomes

4. To analyze the profit and gain from business or profession
5. To identify the various other sources of income and capital gain
6. To understand tax planning and management for business.

#### **E-Commerce & Legal Security Course Outcome**

1. Ability to start up and operate e-commerce website.
2. Familiarization with online payment services and different cyber laws.
3. Ability to understand customer relationship life.
4. Knowledge of cyber world and scope of cyber laws in E-commerce.
5. To study the application of Electronic Data Interchange

#### **Semester IV**

#### **Entrepreneurship & Skill Development Course Outcome**

1. Students will be able to define, identify and/or apply the principles of entrepreneurial and family business;
2. Students will be able to define, identify and/or apply the principles of viability of businesses, new business proposals, and opportunities within existing businesses;
3. Students will be able to define, identify and/or apply the principles of entrepreneurial management and growth through strategic plans, consulting projects and/or implementing their own businesses;
4. Students will be able to define, identify and/or apply the principles of preparing a start-up business plan emphasizing financing, marketing, and organizing;
5. Students will be able to define, identify and/or apply the principles of creating and defending an entrepreneurial marketing plan;
6. Students will be able to define, identify and/or apply the principles of developing pro forma financial statements;

#### **Sales & Distribution Management Course Outcome**

1. Understand the roles and responsibilities of the Sales Managers
2. Manage and enhance the sales force productivity and performance
3. Plan and implement an effective sales strategy for their organizations.



4. Design and implement distribution channel strategy.
5. Manage the Channels efficiency and effectiveness; wholesaling, and retailing.

#### **Co-operative Management Course Outcome**

1. Communicate Concept and Characteristics of Cooperatives,
2. Explain Functional and Management aspects of Cooperatives
3. Organize a cooperative institution based upon grassroots level after analyzing market condition

#### **International Financing Course Outcome**

1. Knowledge about IMF, World Bank, European Monetary System and their role in international financial management.
2. Clarity about the role of central bank in international financial management.
3. Ability to use various scanning techniques to scan the environment of host country.
4. Understanding of the manner of management of exposures involved in international transact

**DEPARTMENT OF CHEMISTRY**

**PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME,  
COURSE OUTCOME**

**Programme Outcome**

**1. Critical thinking and scientific knowledge**

- a. Employ critical thinking and the scientific knowledge of chemistry to try design, carry out chemical reactions, record and analyses the results of chemical reactions.
- b. Understood the basic concepts, fundamental principles, and scientific theories based on various scientific phenomenon's in chemistry and their applications in life activities.
- c. Acquired expert skills in handling and operating the laboratory instruments, performing laboratory-oriented experiments, highlight significant observations and deduce the logical conclusions based on facts and findings.

**2. Awareness**

- a. Create an awareness of the impact of chemistry on the environment, society, and development outside the scientific community.
- b. Create an awareness of the importance of chemistry as central subject to undertake higher studies.

**3. Effective and Social Communication**

- a. Developed various relational abilities, for example, composing, perusing, tuning in, talking, and so forth, which will in the end help in communicating, thoughts and cognitive perspectives obviously and adequately.
- b. Developed an aptitude for partaking in different socio-social exercises with excitement, to scatter the seeds of information and contribute in making mindfulness about the social legends, mistrusts.

**4. Effective Citizenship**

- a. Developed a patriotic and disciplined citizen to address complex local, national and global issues, cultural and religious conflict.
- b. Developed with undoubted sense of their rights and responsibilities as citizens.

## **5. Ethics**

- a. Imbibed science oriented ethical, moral and social values in personal and social life leading to highly cultured and civilized personality.

## **6. Environment and Sustainability**

- a. Understand the need of rational use of natural resources and their alternatives and be aware of waste treatment, reduction in carbon footprint and production of reusable and recyclable materials for sustainable environment.

## **7. Self-directed and Life-long Learning**

- a. Vibrant knowledge achieved in combination with positive attitude and energetic effort has the potential to undertake the self learning and life lasting association with scientific approach in the context of chemical science.

## **Programme Specific Outcome**

- 1 Gain the knowledge of Chemistry through theory and practical's.
- 2 Understand nomenclature, stereochemistry, structures and reactivity of chemical compounds and mechanism of the chemical reactions, derivations and important theories.
- 3 Explain mechanism of organic reactions.
- 4 Explain properties of elements through periodic table.
- 5 Understand the applications of organic and inorganic compounds.
- 6 Identify chemical formulae and solve numerical problems.
- 7 Use modern chemical tools, Models, Charts and Equipment's.
- 8 Explain structure-activity relationship, basic fundamental theories.
- 9 Understand good laboratory practices and safety measures performing in the laboratory.
- 10 Demonstrate fundamental experiments of chemistry and develop research oriented skills in laboratory.
- 11 Analyse the compounds at elementary level on the basis uv- visible, IR, and NMR spectroscopic techniques.

- 12 Make aware chemicals and handle the sophisticated instruments/equipment and Understand derivations of thermodynamics, laws of photochemistry, kinetics of chemical reactions, electrical and magnetic properties of compounds and properties of dilute solutions.

## Course outcomes

### B. Sc. I - Semester I Inorganic Chemistry

CO 1 Define the periodic properties like atomic and ionic- radii, Van der Waal's radius, and ionization energy.

CO 2 Able to know the effect of ionization energy and electronegativity on the different properties of elements scales of electronegativity, Screenings effects and effective nuclear charge.

CO 3 Discuss the Slater's rules and calculating the Screening constant and solve problem based on it, factors affecting ionic bond formation, Born Lande equation and Born-Haber's cycle to calculate lattice energy.

CO 4 Understand the terms Screenings effects, screening constant and effective nuclear charge, solvation and solvation energy.

CO 5 Detail and comparative study of S-block and P-block elements.

CO 6 Understand the concept of inert pair effect, abnormal behaviour of nitrogen, hydrides of boron and their preparation, properties, diagonal relationship of elements like Li – Mg, Be-Al.

CO 7 Analyse acidic and basic radical from a given mixture by semi-micro qualitative analysis method.

### Organic Chemistry

CO 1 Define and discussion on the different terms involved in electronic displacements e.g. Inductive effect, Electromeric effect, Resonance and Hyperconjugation effect and their applications.

CO 2 Study the reactive intermediate like carbocation, carbanion and free radicals. Discuss their generation stability and reactions.

CO 3 Know about aliphatic and aromatic hydrocarbons, important name reactions, E1 and E2 reactions, Huckel's rules of aromaticity and the various substitution reactions.

CO 4 Prepare various organic compounds by using different methods.

## Physical Chemistry

CO 1 Understand adiabatic and isothermal processes in thermodynamics, first law of thermodynamics and its limitations, Carnot's engine, concept of entropy.

CO 2 Solve the numericals after discussion on thermodynamics.

CO 3 Know the postulates of kinetic theory of gases, derivation of kinetic gas equation, Maxwell-Boltzmann distribution law of molecular velocities.

CO 4 Come to know the deviation of real gases from ideal gas behaviour. Van der Waal's equation of state and its derivation for real gases.

CO 5 Understand Statement of phase rule, explanation of phase, number of components and degree of freedom and its applications.

## Course outcomes

### B. Sc. I - Semester II Inorganic Chemistry

CO 1 Discuss the term polarization, polarizing power, polarizability, effect of polarization on nature of bond, Fajan's rules of and its applications, structure and bonding in diborane, carbides, types of carbides and fullerenes.

CO 2 Study the aspects of hybridisation, types of hybridisation to explain geometries of  $\text{NH}_4^+$  ion,  $\text{PCl}_5$ ,  $\text{SF}_6$  and  $\text{IF}_7$ , Lux-Flood concept of acids and bases, structure and bonding in diborane, carbides, types of carbides and fullerenes.

CO 3 Know the term hard and soft acids and bases and discuss the Pearson's HSAB or SHAB principle with important applications.

CO 4 Understand the comparative study of P-block elements with reference to electronic configuration, ionization energy and oxidation states, interhalogen compounds.

CO 5 Define the term noble gases, Study of their compounds with respect to their structure and bonding e.g.  $\text{XeF}_2$ ,  $\text{XeF}_4$ ,  $\text{XeF}_6$ ,  $\text{XeO}_3$  and  $\text{XeO}_4$ , non aqueous solvents and requirements of a good solvent.

CO 6 Discuss the physical properties of solvents namely liquid range, dielectric constant, dipole moment, heat of vaporisation and solubility behaviour.

## Organic Chemistry

CO 1 Able to understand alkyl halide, aryl halide and alcohol, their synthesis, chemical and physical properties, pinacol - pinacolone rearrangement.

CO 2 Come to know the structure, molecular formula, synthesis chemical and physical properties of phenol, ether and epoxide.

CO 3 To do complete analysis of simple organic compounds containing one or two functional groups.

## Physical Chemistry

CO 1 Able to understand electrical and magnetic properties

CO 2 Understand the rate of reaction, order of reactions and their units, half-life period of a reaction.

CO 3 Able to understand determination of order of a reaction by integration, graphical, equifractional change, Vant Hoff's differential method and Ostwald's isolation method.

CO 4 Able to solve the numerical after discussion of chemical kinetics, Arrhenius equation, activation energy and its determination using Arrhenius equation.

CO 5 To determine physical properties like surface tension, viscosity, cleaning power of detergent, percentage composition of given ethanol-water mixture by viscometer, activation energy of a reaction, and heat of solution.

## Course outcomes

### B. Sc. II - Semester III Inorganic Chemistry

CO 1 Understand the concept of covalent bonding, metallic bonding and VSEPR theory.

CO 2 Understand postulates of molecular orbital theory, LCAO approximation, formation of bonding and anti-bonding MOs and rules for LCAO. MO energy level diagram.

CO 3 Come to know MO structure of homonuclear diatomic molecules

namely  $\text{He}_2$ ,  $\text{H}_2$ ,  $\text{N}_2$  and  $\text{O}_2$  and heteronuclear diatomic molecules like NO, HF and CO

CO 4 Know various rules under VSEPR theory to explain molecular geometry.

CO 5 Able to understand different theory of quantitative Inorganic analysis like volumetric and gravimetric Analysis.

CO 6 To perform analysis of a components volumetrically.

CO 7 To perform analysis of a components like  $\text{Ba}^{2+}$  as  $\text{BaSO}_4$ ,  $\text{Fe}^{3+}$  as  $\text{Fe}_2\text{O}_3$  gravimetrically.

## Organic Chemistry

CO 1 Understand the synthesis, chemical and physical properties of aldehydes and ketones, various naming reactions and its mechanisms.

CO 2 Know the structure and reactivity of carboxylic acids, its acidity, acid strength, chemical reactions and physical properties of carboxylic acids.

CO 3 Understand an optical isomerism, geometrical isomerism conformational isomerism.

CO 4 Understand element of symmetry, chirality, asymmetric carbon atom, enantiomers, diastereomers, relative and absolute configurations, DL and RS nomenclature, racemisation and resolution.

CO 5 Understand the Cis-trans & E-Z nomenclature, Bayer's Strain theory and Newman & Sawhorse projection formulae.

## Physical Chemistry

CO 1 Know the terms Gibb's and Helmholtz's free energy function, Gibb's- Helmholtz's equation in terms of G and its application, Partial molar function, derivations of Gibb's-Duhem equation, Vant Hoff's isotherm and its application to equilibrium state.

CO 2 Solve the numerical after discussion on problems of thermodynamics and phase equilibrium.

CO 3 Discuss the immiscible liquids, Nernst distribution law and its application to association and dissociation of solute in one of the solvent.

CO 4 Derive Clausius-Clyperon equation, partially miscible liquids - Phase diagram of phenol-water, triethyl amine - water and nicotine-water systems.

CO 5 Understand the terms surface tension, viscosity and its determination and its S.I. Unit. Effect of temperature on surface tension and viscosity.

CO 6 Understand the terms involved in electrochemistry like conductance, Specific Conductance, equivalent and molar conductance.

CO 7 Understand conductometric titrations, applications of conductometric titration, transport number and its determination by Hittorf's method and Moving boundary method and Kohlrausch's law of independent migration of ions.

CO 8 To construct phase diagram of phenol-water system and to determine consolute temperature for the system.

CO 9 To determine transition temperature, study kinetics of hydrolysis of methyl acetate catalysed by acid and kinetics of saponification of ethyl acetate by NaOH.

CO 10 Determine partition coefficient of iodine and solubility of benzoic acid at different temperature.

## Course outcomes

### B. Sc. II - Semester IV Inorganic Chemistry

CO 1 Understand the Chemistry of elements of transition series (3d, 4d and 5d) with respect to their Electronic configuration, Atomic and ionic size, Ionization energy, Metallic nature, Oxidation states, Magnetic properties, Colour of salts, Catalytic properties and Complex formation behaviour.

CO 2 Come to know principles involved in extraction of elements, methods of extraction of elements and factors affecting choice of extraction method.

CO 3 Understand the thermodynamics of reduction processes-Ellingham diagrams for oxides.

CO 4 Understand Lanthanides and Actinides and their comparative study with respect to different properties.

CO 5 Understand definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froath floatation and electromagnetic separation. Calcination, roasting, smelting and refining of metals.

CO 6 Estimate Zn(II) by complexometric titration, hardness of water by complexometric titration and Cu(II) in commercial copper sulphate by colorimetrically or spectrophotometrically.

CO 7 Perform chromatographic separation of Cu(II), Co(II) and Ni(II) ions by paper chromatography

CO 8 Determination the concentration of unknown KMnO<sub>4</sub> solution from standard solutions of KMnO<sub>4</sub> by colorimetrically.

### Organic Chemistry

CO 1 Know the concept of polynuclear hydrocarbons e.g. naphthalene, its structure, preparation and chemical reactions.

Co 2 Know the concept of reactive methylene compounds, synthesis and application of malonic ester and acetoacetic ester.

CO 3 Understand carbohydrate, its constitution and epimerization.

CO 4 Understand structure, synthesis, reactivity and applications of aromatic nitro compounds, amino compound, diazonium salts, amino acids and proteins.

CO 5 Know the terms like Zwitterion, isoelectric point etc.



CO 6 Perform isolation of casein from milk, nicotine from tobacco leaves, caffeine from tea leaves and lycopene from tomato juice.

CO 7 Estimate glucose, acetamide and can determine the equivalent weight of an organic acid.

### **Physical Chemistry**

CO 1 Come to know different colligative properties of dilute solutions and Van't Hoff's factor.

CO 2 Understand the overall idea about crystalline state, symmetry in crystal, laws of symmetry and Weiss and Miller indices.

CO 3 Understand seven crystal systems and fourteen Bravais lattices, derivation of Bragg's equation for X-ray diffraction and Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl.

### **Course outcomes**

#### **B. Sc. III - Semester V Inorganic Chemistry**

CO 1 Understand the basic terms in coordination chemistry.

CO 2 Understand the concept of Werner's and Sidgwick's electronic theory in coordination compounds, nomenclature, structure, geometry, and optical isomerism of various coordination compounds.

CO 3 Gain the knowledge of valence bond theory and magnetic properties.

CO 4 Gain the depth knowledge of chelates, its applications in analytical chemistry and understand the concept of stability of chelates.

CO 5 Acquire the knowledge about basic concept of crystal field theory, crystal field splitting in octahedral, distorted octahedral, square planar and tetrahedral complexes and energy in high spin and low spin complexes.

CO 6 Gain the depth knowledge of electronic spectra of transition metal complexes, types of absorption spectra and selection rules for d-d transitions and spectrochemical series.

CO 7 To prepared tetraamminecopper(II)sulphate, hexaamminenickel(II)chloride, potassiumtrioxalate aluminate(III), Prussian blue, chrome alum, sodium thiosulphate and dithionite.

### **Organic Chemistry**

CO 1 Know the importance and applications of heterocyclic compounds.

CO 2 Learns the nomenclature of five and six membered heterocyclic compounds.

CO 3 Understand the various methods of synthesis of heterocyclic compounds and their electrophilic & nucleophilic substitution reactions.

CO 4 Understand the chemistry of organometallic compounds (organomagnesium and organolithium compounds).

CO 5 Understand the classification of dyes on the basis of structure and mode of applications.

CO 6 Learns the synthesis, properties and applications of various dyes.

CO 7 Learn about analgesic and antipyretic drugs.

CO 8 Understand the importance of pesticides, classification of pesticides such as insecticides, herbicides, fungicides and rodenticides and their synthesis.

### **Physical Chemistry**

CO 1 Acquire good knowledge of photochemical and thermal reactions.

CO 2 Understand the principle and laws of photochemistry and difference between thermal and photochemical reactions.

CO 3 Understand the laws of absorption of light (Lambert's law and Beer's law) and applications of Beer's-Lamberts law.

CO 4 Understand the concept of quantum yield and kinetics of photochemical decomposition.

CO 5 Understand the Jablonski diagram and the terms involved such as singlet, triplet, internal conversion, inter-system crossing, fluorescence, and phosphorescence.

CO 6 Know chemiluminescence and bioluminescence.

CO 7 Gain the Knowledge of electromagnetic radiation spectrum, various types of spectra and degrees of freedom.

CO 8 Understand rotational (microwave), vibrational, and Raman spectroscopy with their selection rules.

CO 9 Determine strength of given HCl solution conductometrically, strength of given CH<sub>3</sub> COOH solution conductometrically, strength of HCl solution potentiometrically, strength of HCl and CH<sub>3</sub> COOH in a given mixture conductometrically, redox potential of Fe<sup>+2</sup>/Fe<sup>+3</sup> system potentiometrically, molecular weight by Rast's method and specific rotation of optically active compound by Polarimeter.

## Course outcomes

### **B. Sc. III - Semester VI Inorganic Chemistry**

CO 1 Understand the thermodynamic and kinetic stability of the complexes, factors which affect the stability of complexes and stability of labile and inert complexes.

CO 2 Gain the brief idea about substitution reactions, SN1-dissociative and SN2- associative mechanism, substitution reactions in square planer complexes and its mechanism and concept of molar extinction coefficient.

CO 3 Understand the technique of colorimeter and spectrophotometer with its components and their applications.

CO 4 Understand the theory, principle classification and applications of chromatography technique.

CO 5 Understand the classification, nomenclature, methods of preparation, properties and reactions of organometallic compounds.

CO 6 Understand the structure of carbonyls on the basis of valence bond theory and effective atomic number in metal carbonyls.

CO 7 Learn the classification of inorganic polymers on the basis of nature of monomers and types of reaction and synthesis and applications of various polymers.

CO 8 Understand the terms essential and non-essential elements in biological process.

CO 9 Gain the knowledge about metalloporphyrins and role of hemoglobin and myoglobin in oxygen transport.

### **Organic Chemistry**

CO 1 Understand electromagnetic radiations.

CO 2 Understand the principle and instrumentation of spectrophotometer.

CO 3 Learn the terms used in uv - visible spectroscopy and understand the importance of uv - visible spectroscopy for the elucidation of structure of organic compounds.

CO 4 Understands IR spectroscopy and NMR spectroscopy and their applications to characterize the organic compounds.

CO 5 Gain the knowledge of mass spectrometry.

CO 6 Estimate formaldehyde, glycine, ascorbic acid (vitamine C), phenol by bromination method, aniline by bromination method, urea by hypobromite method, unsaturation by bromination method and equivalent weight of an ester by saponification reaction.

CO 7 Separate a mixture of methyl orange and methylene blue by thin layer chromatography (using benzene), mixture of 2,4-dinitro phenyls of acetaldehyde and benzaldehyde by thin layer chromatography, mixture of dyes by thin layer chromatography, mixture of 2,4-dinitro phenyls of acetaldehyde and benzaldehyde by thin layer chromatography.

### **Physical Chemistry**

CO 1 Able to understand the Plank's quantum theory, Photoelectric effect and Compton Effect.

CO 2 Know de Broglie hypothesis of matter waves, de Broglie's equation and Heisenberg's uncertainty principle. Classical wave equation and Schrodinger's wave equation in one-dimension.

CO 3 Understand the physical significance of wave function and application of Schrodinger wave equation to a particle in one- dimensional box and its extension to a three-dimensional box. Concept of atomic orbital.

CO 4 Know the terms used in electrochemistry, types of electrodes. Determination of pH of the solution using hydrogen, quinhydrone and glass electrodes.

CO 5 Understand the concept used in nuclear chemistry like Shell model of a nucleus - Assumptions, evidences for existence of magic numbers and liquid drop model

CO 6 Know the types of nuclear reactions, applications of radio isotopes in industry, agriculture, medicines and bio-sciences.

CO 7 Determine dissociation constant of weak acid by conductometry, dissociation constant of weak acid by potentiometry, dissociation constant of dibasic acid by pH-metry, pH of a soil sample by pH-meter and solubility and solubility product of sparingly soluble salts conductometrically.

CO 8 Do titration of strong acid and strong base by pH-metry and potentiometric titration of KCl and AgNO<sub>3</sub>.

**DEPARTMENT OF CHEMISTRY (M. Sc)**

**PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME,  
COURSE OUTCOME**

## Program Outcomes

PO1 : Apply the subject knowledge to the solution of real-world problems.

PO2 : Apply ethical principles and commit to professional ethics and responsibilities and norms of the standard practices.

PO3 : Take informed actions after identifying the assumptions that frame our thinking and actions

PO4 : Identify, formulate, review research literature, and analyze complex problems reaching substantiated and innovative

PO5 : Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

## Programme Specific Outcome

On completion of M.Sc. Chemistry Programme, graduates would be able to:

PSO-1: observe, analyze and interpret chemical phenomena and process.

PSO-2: design and develop new molecules/processes with industrial and societal Applications.

PSO-3: formulate new ideas/concepts in chemical sciences and test them.

PSO-4: communicate effectively the principles and practice of chemical sciences.

PSO-5: address issues of environment, health and development from a chemical Perspective.

PSO-6: follow professional ethics in all spheres of activity.

PSO-7: function effectively as a member/leader in diverse teams/groups.

PSO-8: engage in independent learning in the broadest context of scientific Advancement.

## COURSE OUTCOMES:

CO1: Implement rules of aromaticity to organic molecules

CO2: Sketch organic molecules in different projection formula and assign its configuration.

CO3: Apply their understanding about the organic reactions of industrial significance with respect to the chemoselectivity, regioselectivity and enantioselectivity.

CO4: Analyze the product distribution and the stereochemistry of various organic products.

CO5: Evaluate the organic reactions based on the influence of the substituents on substrate molecules

CO6: Design organic reactions in order to achieve the required product(s)

## DEPARTMENT OF MATHEMATICS (M. Sc)

### PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME

#### Program Outcomes

1. Develop among themselves a spirit of scientific temper and inquiry.
2. Deal with the situations, problems and people with better understanding.
3. Understand, analyze and explain the basic principles of science in most of its allied fields.
4. Develop among themselves a sense of social responsibility.
5. Handle the unexpected situation by critically analyzing the problem.
6. Think clearly and critically about the choices, aspirations, challenges, opportunities, and threats in the course of their life.
7. Communicate with the world in a better and meaningful way

#### PSO (Program Specific Outcomes)

To develop problem-solving skills and apply them independently to problems in pure and applied mathematics.

- To assimilate complex mathematical ideas and arguments.
- To improve your own learning and performance.
- To develop abstract mathematical thinking. Apply knowledge of Mathematics, in all the fields of learning including higher research and its extensions.
- To understand the basic concepts of Mathematics and Formulae.
- Recognize the importance and value of mathematical thinking, training and approach to problem solving, on a diverse variety of disciplines.
- Mathematics is open door in engineering, business, finance, computing, data science, health sciences, environment science and public policy.
- Identify and become familiar with the scope, methodology and application of mathematics and learn to appreciate its ability to explain various aspects.

## CO (Course Outcomes)

- Innovate, invent and solve complex mathematical problems using the knowledge of pure and applied mathematics.
- To solve one dimensional Wave and Heat equations employing the methods in Partial Differential equations.
- Utilize Number Theory in the field of Cryptography that helps in hiding information and maintaining secrecy in Military information transmission, computer password and electronic commerce.
- Facilitate in the study of crystallographic groups in chemistry and Lie symmetry groups in physics.
- Identify Simulation of ground freezing and water evaporation, Heat transfer analysis due to solar radiation, Calculation of temperatures and heat flow under steady-state or transient boundary conditions.
- Explain the knowledge of contemporary issues in the field of Mathematics and applied sciences.
- Work effectively as an individual, and also as a member or leader in multi-linguistic and multi-disciplinary teams.
- Adjust themselves completely to the demands of the growing field of Mathematics by lifelong learning.
- Effectively communicate about their field of expertise on their activities, with their peer and society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations

**DEPARTMENT OF MATHEMATICS (B. Sc)**

**PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME,  
COURSE OUTCOME**

## Program Outcomes

After the completion of the program the students are able to:

1. Develop among themselves a spirit of scientific temper and inquiry.
2. Deal with the situations, problems and people with better understanding.
3. Understand, analyze and explain the basic principles of science in most of its allied fields.
4. Develop among themselves a sense of social responsibility.
5. Handle the unexpected situation by critically analyzing the problem.
6. Think clearly and critically about the choices, aspirations, challenges, opportunities and threats in the course of their life.
7. Communicate with the world in a better and meaningful way

## PSO (Program Specific Outcomes)

- To understand the basic concepts of Mathematics and Formulae.
- Recognize the importance and value of mathematical thinking, training and approach to problem solving, on a diverse verity of disciplines.
- Mathematics is open door in engineering, business, finance, computing, data science, health sciences, environment science and public policy.
- Identify and become familiar with the scope, methodology and application of mathematics and learn to appreciate its ability to explain various aspects.
- Explain how Mathematics is useful for social and real life problems.



## CO (Course Outcomes)

- To Learn De Moivre's Theorem and Understand Relation Between Circular & Hyperbolic Function.
- To understand the Trigonometric Series & Euler's Series.
- To understand concept of Elements of Quaternion.
- Learn to Theory of equation & Descarte's rule of signs.
- Learn to concept of Matrices and Cayley –Hamilton theorem.
- To understand the definition of limit of a function and calculation of limit.
- To understand the Leibnitz theorem and L' hospital Rule. Learn to Mean Value Theorems.
- To understand Concept of Partial derivatives and Euler's Theorem.
- Learn to Integration and reduction formulae.
- To understand the First order differential equation
- To Learn Second order Linear differential equation.
- Learn to Reduction formulae
- To solved Partial Differential equation
- Learn to Charpits's general method of solution.

## DEPARTMENT OF PHYSICS

### PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME

#### Program Outcomes

1. Use his knowledge to analyze new situations and learn skills and tools like mathematics, engineering, and technology to find the solution, interpret the results and make predictions for the future developments.
2. Identify and apply appropriate physical principles and methodologies to solve a wide range of problems associated with Physics.
3. Plan and execute Physics-related experiments or investigations.
4. Create an awareness of the impact of Physics on the society.
5. Use modern techniques, decent equipment's.

#### Program specific outcomes

- 1) Gain the knowledge of Physics through theory and practicals.
- 2) Identify their area of interest in academic and R&D.
- 3) Understand good laboratory practices and safety.
- 4) Acquire analytical and logical skill for higher Education.
- 5) Pursue master degree in Science i.e. M.Sc, work in research related fields and can even look for professional job oriented courses.

#### Course Outcomes

- 1) Mechanics
- 2) Waves and Oscillations
- 3) Properties of matter    1) Apply Kepler's law to describe the motion of planets and satellite in circular orbit, through the study of law of Gravitation.
- 2) Write the expression for the moment of inertia about the given axis of symmetry for different uniform mass distributions.
- 3) Explain the phenomena of simple harmonic motion and the properties of systems executing such motions.
- 4) Learn the fundamentals of harmonic oscillator model, including damped and forced oscillators.

- 5) Describe the production, detection of ultrasonic waves and applications
  - 6) Know the basic principles of properties of matter.
  - 7) Understand the principles of elasticity through the study of Young Modulus and modulus of rigidity.
  - 8) Understand simple principles of fluid flow and the equations governing fluid dynamics.
  - 9) Compare the viscosity and interfacial surface tension between the liquids
  - 10) Solve numerical problems involving topics covered.
  - 11) In the laboratory course, the student perform the experiments related to mechanics (compound pendulum), rotational dynamics (Flywheel), and elastic properties (Young Modulus and Modulus of Rigidity).
- 
- 1) Learn the basic aspects of kinetic theory of gases, Maxwell- Boltzman distribution law, equitation of energies, mean free path of molecular collisions, viscosity, thermal conductivity, diffusion and Brownian motion.
  - 2) Differentiate the terms heat and temperature and measure temperature using thermometer and convert one scale of temperature to another scale.
  - 3) Comprehend the basic concepts of thermodynamics, the first and the second law of thermodynamics, the concept of entropy and the associated theorems, the thermodynamic potentials and their physical interpretations.
  - 4) Learn about the real gas equations, Van der Waal equation of state.
  - 5) Learn about Maxwell's thermodynamic relations and Joule Thomson effect.
  - 6) Differentiate between principles and methods to produce low temperature, liquefy air, helium and hydrogen
  - 7) Learn about motion of electron in electric and magnetic field.
  - 8) Recognize the motion of the charged particle in electromagnetic field.
  - 9) To learn the basic principles of working of linear accelerator, mass spectrograph and cyclotron.
  - 10) Apply Kirchhoff's rules to analyze AC circuits consisting of parallel and/or series combinations of voltage sources and resistors and to describe the graphical relationship of resistance, capacitor and inductor.

- 11) Apply various network theorems such as Superposition, Thevenin, Norton, Maximum Power Transfer, etc. and their applications in electronics, electrical circuit analysis.
- 12) Compare the principles and working of different types of galvanometers
- 13) To learn to solve A.C. circuit using  $j$  – operator.
- 14) Apply and analyze the behavior of ac circuits based on L, C and R
- 15) To learn the basic principle of working of transformer.
- 16) Solve numerical problems involving topics covered.
- 17) In the laboratory course, the students perform the experiments related to network theorems, RLC circuit, transformer etc.

### **B.Sc (II) Sem III (Physics)**

- 1) Understand vector calculus in three dimensions and derive Gauss theorem, Stoke's theorem and Green's theorem.
- 2) Demonstrate Gauss law, Coulomb's law for the electric field, and apply it to systems of point charges as well as line, surface, and volume distributions of charges.
- 3) Explain and differentiate the vector (electric fields, Coulomb's law) and scalar (electric potential, electric potential energy) formalisms of electrostatics.
- 4) Apply Gauss's law of electrostatics to solve a variety of problems.
- 5) Explain Faraday-Lenz and Maxwell laws to articulate the relationship between electric and magnetic fields.
- 6) Understand the unification of electric and magnetic fields and Maxwell's equations governing EM waves.
- 7) Understand the physics of semiconductors.
- 8) Understand the structure, working and applications of different semiconductor devices such as, P – N junction diode, LED, Varactor diode, transistors and FET.
- 9) To study the Operational Amplifier and their applications.
- 10) To understand the Special Theory of Relativity.
- 11) Describe special relativistic effects and their effects on the mass and energy of a moving object.

### **B.Sc (II) Sem IV**

- 1) Use the principles of wave motion and superposition to explain the Physics of polarisation, interference and diffraction.
- 2) Understand the working of selected optical instruments like prism, diffraction grating, and holograms.
- 3) In the laboratory course, student will gain hands-on experience of using various optical instruments and making measurements of wavelength of light using Newton Rings experiment, diffraction grating etc.
- 4) Know the basic concepts in LASER, basic principle and working of different types of lasers such as He – Ne laser, Ruby laser and semiconductor laser and know the applications of lasers in various fields.
- 5) Understand the basic principle (total internal reflection) behind the working of optical fiber.
- 6) Understand the structure, types and applications of optical fibers.
- 7) To understand various renewable energy sources – Solar energy, Wind energy, ocean energy- Waves & tides, geothermal energy, Hybrid Systems, Hydrogen energy systems, Fuel cells

### **B.Sc (III) Sem V**

- 1) Know main aspects of the inadequacies of classical mechanics and understand historical development of quantum mechanics and ability to discuss and interpret experiments that reveal the dual nature of matter.
- 2) Understand the theory of quantum measurements, wave packets and uncertainty principle.
- 3) Understand vector atom model, coupling schemes, emission and absorption spectra.
- 4) Understand basic principle, types and applications of X – rays.
- 5) Understand the Raman effect and its theory.
- 6) Understanding the properties of nuclei like density, size, binding energy, nuclear forces and structure of atomic nucleus, liquid drop model and nuclear shell model and mass formula.
- 7) Understand alpha, beta and gamma decay, Neutrinos and its properties and role in theory of beta decay.
- 10) Explain hybrid parameter model of amplifier.

- 11) Design of  $h$  – parameter equivalent circuit of CE amplifier and to analyze it.
- 12) Design and explain the circuit of RC coupled amplifier and to study its frequency response.
- 13) Explaining different noises and distortions in amplifier circuits.
- 14) Understanding the effect of feedback on amplifier circuit.
- 15) Design and understand the working of different oscillator circuits such as Hartley oscillator, Colpitt's oscillator, Phase shift oscillator and Wein bridge oscillator.

### **B.Sc (III) Sem VI**

- 1) Understand the concepts of microstate, macrostate, ensemble, phase space, thermodynamic probability and partition function.
- 2) Understand three different distribution laws e.g. Maxwell- Boltzmann distribution, Bose-Einstein distribution and Fermi-Dirac distribution laws of particles and their derivation.
- 3) Understanding the difference between crystalline and amorphous solids.
- 4) To understand the principles and techniques of X-rays diffraction.
- 5) Understanding of the defects in solids.
- 6) Understanding of electrical properties of materials.
- 7) Understanding the band structure in solids and classification of solids depending on their band structure.
- 8) To give an extended knowledge about magnetic properties like diamagnetic, paramagnetic, and ferromagnetic.
- 9) Understanding of classical and quantum theory of diamagnetic and paramagnetic materials.
- 10) Understanding of Hysteresis in ferromagnetic materials.
- 11) Understanding of basic concepts and applications of superconductors.
- 12) Understanding of history, theory and applications of nano – materials.
- 13) Solve numerical problems involving topics covered.

## DEPARTMENT OF COMPUTER SCIENCE

### PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME

#### Program Outcomes

1. This program makes learners aware of the history of the discipline of Computer Science and understand the conceptual underpinnings of the subject.
2. Students understand the nature of the software development process, including the need to provide appropriate documentation.
3. The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of MSc Computer Science .
4. Understand the nature of the software development process, including the need to provide appropriate documentation.
5. Understand standard techniques for solving a problem on a computer, including programming techniques and techniques for the representation of information.

#### Course Outcome

##### 1.Programming in C and Computer Fundamentals

CO1 Introduction to Computer ,its generation, block diagram of computer Understanding the concept memory & its types ,input and output devices of

Computers

CO2. Describe the basic components of an operating system and their role in Implementations for general purpose, real-time and embedded applications. Explain Types of O.S.

Explain File attributes and File Handling

CO3 Explain the local, metropolitan and wide area networks. Discussion of various networking technologies.

Explain the concepts of protocols, network interfaces . Explain internet, its history and various types of connection.

CO4. Explain the basic terminology used in computer programming Explain Flowchart assembler, compiler & interpreter.

Explain about the basic concepts of program development stages. Explain Structured Programming.

Explain history of C and Structure of C program

CO5. Write, compile and debug programs in C language and use different data types for writing the programs.

CO6. Discuss I/O operation i.e Formatted and Unformatted .

Design programs connecting decision structures, conditional statements and loops .

## **2S.WEB Technology and Advanced Programming in C**

CO1. Explain History of HTML. Explain Various HTML tag.

Explain Attributes of Alignment, Color & text.

CO2. Describe Style sheet with its advantages and disadvantages. Explain CSS & its types of style sheet

CO3. Introduction of XML and how it is differ with HTML Introduction and need of DTD and its types

CO4. Describe Array and its types,its Declaration.

Explain Pointer and Strings with string Function and String handling mechanism.

CO5. Explain Function and its Need.

Discuss about the various types of Functions . Explain Function Recursion.

CO6. Explain the Concepts of structures and Unions.

Explain File handling in C with creating and opening file.

## **3S. Data Structure and C++**

CO1. Introduction to Data structure ,its types and operation

CO2. Explain Queues ,its representation and its operation Discuss Circular Queue ,dequeue and Priority Queue

CO3. Explain Trees, Concept of binary tree and traversing Operation Explain Sorting and Searching Techniques



CO4. Explain OOPS ,its Introduction ,Advantages and application Explain Classes and Objects

Explain Managing console I/O process

Explain Operator in C++ with new and delete operator

CO5. Explain Function in C++ with Friend function and Inline Function Describe Array of Object and This pointer

CO6. Explain Operator overloading with unary and binary operator Explain Inheritance, its types and Virtual base class

#### **4S.Relational Database Management System & PL/SQL**

CO1 Describe the fundamentals of File processing and database processing system.

CO2. Explain the various data model and its application.

CO3 Explain the various normal forms and its role in DBMS.

CO4. Explain the fundamental concepts of SQL programs.

CO5. Describe the concepts of function, procedure, package, trigger and exception handling.

CO6. Explain Transaction and its properties.

Explain Securities of Database by maintaining user and privileges

#### **5S. Java Programming and Vb.net**

CO1 Explain about basic Java language syntax and semantics to write Java programs.

CO2. Describe the concepts of variables, conditional and iterative execution methods etc.

CO3 Discuss the fundamentals of object-oriented programming in Java, including defining classes, objects, invoking methods

CO4. Explain the various methodologies to handle the exception mechanisms and the principles of inheritance, packages and interfaces

CO5. Demonstrate the programming concepts for applet and graphics.

#### **6S. Advanced Java Program and vb.net**

CO1. Discuss Exception handling and multithreading

CO2. Describe Applet,its life cycle with all its attributes ,Explain graphics class

CO3. Explain Event Handling, Event delegation Model

CO4. Explain How control is added in form Discuss msgbox & inputbox function

Explain Keyboard and mouse event with common control

CO5. Explain class,object ,method and event

Describe Exception handling and exception class in .net framework

CO6. Explain data Access with ADO.net

### **Programming in C LAB**

CO1 Explanation of design and algorithmic solution for a given problem.

CO2. Construction of flowchart for the computer programs.

CO3 Explains the program using Control Statements

CO4. Explains the program using Arrays and Functions.

CO5. Explain the program using file handling with structure.

### **Data Structure Lab Using C++**

CO1 Explain the features of C++ using object oriented programming.

CO2. Describe the relative merits of C++ as an object oriented programming language.

CO3 Describe the major object-oriented concepts to implement object oriented programs in C++  
Using encapsulation and inheritance.

CO4. Describe the major object-oriented concepts to implement object oriented programs in C++  
Using polymorphism.

### **Java Programming Lab**

CO1 Explain the programming language design, syntax and semantics.

CO2. Describe the critical thinking skills through solving programming problems.

CO3 Explain the standard syntax for java programs and other programming Tools.

CO4. Describe the animation and events based advanced java program concepts (Applet)

CO5. Explain the java programs using object oriented class with parameters, constructors, utility, calculations, methods including inheritance, test classes and exception handling.

## DEPARTMENT OF BOTANY

### PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME

### Programme Outcomes

1. Critical Thinking: Apply the knowledge of botany to make scientific queries and enhance the comprehension potential.
2. Effective Communication: Successful transfer of scientific knowledge both orally and in writing.
3. Social Interaction: Function as an individual, as a member or a leader to perform a task in class room situation or during field study and at the time of social gatherings.
4. Effective Citizenship: Responsible for learning, develop honesty in work and respect for self and others and responsible towards nature.
5. Ethics: Convey and practice social, environmental and biological ethics which is now a days very burning issue of the entire world.
6. Environment and Sustainability: Maintain the significance of conserving a clean environment for endurance and sustainable development.
7. Self-directed and Life-long Learning: study unremittingly by self to cope with growing competition for higher studies and employment.

### Programme Specific Outcomes

1. Educate students in and around Dhamangaon Railway District Amravati, a prime area of Satpura Range, about plant science.
2. Inculcate strong nitty-gritties on contemporary and traditional aspects of Botany.
3. Build life skills in Edible mushroom cultivation, Biofertilizer production, Gardening and its maintenance followed by seed bank.
4. Create platform for higher studies and research in Botany.
5. Enable students to take-up efficacious career in Botany.

# Course Outcomes

## **SEM I Diversity & Applications of Microbes and Cryptogams**

1. Discuss about importance of morphological structure, classification, reproduction and economic importance of Algae.
2. Study and impart knowledge about the general Characteristics, structure, reproduction, life history and economic importance of fungi. Understand the features of Lichens.
3. Know the control measures of plant diseases.
4. Students able to explain about structure, classification, reproduction, life cycle and economic importance of Bryophytes.

## **Laboratory Exercise**

1. Learn the microscopic technique, familiarize with the external and internal structure of lower and higher group organisms.
2. Study of Lichens and its types. Study of plant diseases causal organisms, and control measures.
3. Study of mushroom cultivation process.

## **SEM II: Gymnosperm, Morphology of Angiosperms and Utilization of Plants**

1. Study and impart knowledge about the Structure, reproduction, life cycle, fossil, fossilization and geological time scale.
2. Students able to explain about structure, classification, reproduction, life cycle and economic importance of Gymnosperms.
3. Study and impart knowledge about the Structure, reproduction, life cycle, fossil, fossilization and geological time scale.
4. Students able to explain about structure, classification, reproduction, life cycle and economic importance of Gymnosperms.
5. Diversity in Plants habits. Understand different systems of traditional medicines

6. Acquire knowledge on collection and processing of herbal drugs
7. Get knowledge on pharmacological importance of medicinal plants and its bioactive compounds
8. Acquire knowledge on different adulterants.

#### **Laboratory Exercise**

1. Study of gymnosperm morphology, anatomy, and economic importance of gymnosperms.
2. Learn about Double stained permanent mount preparation of gymnosperm plant material
3. Learn about fossils
4. Study of morphology and modification of plants.
5. Learn about pharmacology and pharmacognosy along with morphology of medicinal plants.

#### **SEM III Plant Systematics, Anatomy and Embryology**

1. Student will be able to study nomenclature of the plant in scientific way according to different taxonomic classifications.
2. Learn about rules for plant nomenclature by ICBN
3. Plant anatomy and embryology are much awaited subject to study the internal structures & function of reproductive organs in plants.
4. The course paper covers basic aspects of anatomy of plant tissues such as meristems, epidermis, permanent tissues, complex tissue, systems and structure of plant organs; reproductive developmental aspects of male reproductive system - Pollen grains, female reproductive system - embryo sac.
5. Students will be benefitted by studying the plant anatomy enables to identify scrappy plant materials, wood, forensic investigation, and applied aspects of meristems cultures.
6. Students will be able to utilize embryological studies in various aspects like analysis of evolutionary trends, circumscription and delimitation of taxa and making a decision on systematic positions.

#### **Laboratory Exercise**

1. Observation of wide range of flowers available in the locality and methods of their pollination.

2. Students came to know fundamentals of embryology through the study of permanent slides.
3. Hands on training for the students about microscope handling and understanding the hidden world of embryology.
4. Description plants belongs to different families in technical language.
5. Students could identify plants in a scientific way up to family level.

#### **Sem IV : Cell Biology, Genetics and Biochemistry**

1. Acquire knowledge on ultrastructure of cell.
2. Understand the structure and chemical composition of chromatin and concept of cell division.
3. As a part of classical genetics, students learned about the Mendel's principles, acquire knowledge on cytoplasmic inheritance, Linkage and sex-linked inheritance.
4. Learned about crossing over mechanism
5. Understand the concept of 'one gene one enzyme hypothesis' along with molecular mechanism of mutation.
6. The student Acquires a general knowledge of the physical, chemical properties and metabolism of carbohydrates and lipids in living system.
7. The student knows basic knowledge of the biological importance of the biomolecules such as carbohydrates, lipids, protein, nucleic acid and enzymes.
8. The students will be able to understand the fundamental biochemical principles of enzymes, such as the structure and function of enzymatic process and its classifications in living system.

#### **Laboratory Exercise**

1. Students learn about process of Isolation of mitochondria and chloroplast
2. Squash and Smear technique helped students to learn about most fundamental part of the life doing observations of various stages of cell division that are Mitosis & meiosis.
3. New way to learn and prove the Mendel's laws performing practical based on probability.
4. By performing different tests students came to know about different types and specificity of enzymes.

## **SEM V :Plant Physiology and Ecology**

1. To become knowledgeable in plant and its water relations.
2. Students will be able to gain knowledge on role of micronutrients in plant growth, their development and understand the mechanism of nitrogen metabolism.
3. To gain knowledge about chloroplast structure, photosynthetic pigments, the path of energy from the light reactions through Calvin cycle.
4. Students are able to understand the process of translocation of organic solutes in plants.
5. To understand the energy releasing steps in Glycolysis. Students will be familiar about the mechanism of respiration.
6. To acquire knowledge in plant growth regulator and its uses, understand the physiology of flowering and photoperiodism.
7. Students learned about the interaction between biotic and abiotic components of the environment.
8. Know about the concept of energy flow in the ecosystem.
9. Students will acquire knowledge regarding vegetation and its analysis.
10. Know about different pollutions, consequences in the environment and its justification
11. Students will know about the floristic regions and plant formation of the planet.
12. Students will deepen the vegetation types of Melghat Region. (Type of Dry Tropical deciduous forest)

### **Laboratory Exercise**

1. Learned about physiological experiments like paper chromatographic method
2. Study of osmosis phenomenon by plasmolytic method
3. Students will study and understand how water travel from soil to the top most portion of the plants by studying ascent of sap
4. Physical factors affect permeability of biomembranes will be studied by students using laboratory exercise
5. Students will come to know about effect of light CO<sub>2</sub> and other factors affecting the rate of photosynthesis.

6. Study morphology in concern about adaptations of plants in different ecological conditions.
7. Students can study population dynamics by studying quadrat method.

#### **SEM VI : Molecular Biology and Biotechnology**

1. Plant Molecular Biology focuses on exploration of molecular basis of plant life..
2. The course paper enlightens mainly on DNA, RNA, Protein, molecular systems and regulation of gene expression in prokaryotic and eukaryotic organisms.
3. Through this course paper students will be able to understand the function of cells at molecular level.
4. The students will be able to apply the molecular knowledge in metabolic engineering of transgenic plant to produce biologically important products.
5. Students will be able to pertain knowledge on molecular breeding methods that are coupled with genetic engineering techniques
6. Understand the basic principles of plant tissue culture along with its application like micropropagation and synthetic seed production.

#### **Laboratory Exercise**

1. The practical course paper elaborates fundamental skills and techniques in plant molecular biology.
2. It contains more experiments based on general and applied aspects.
3. These experiments will be helpful to student for better understanding of the scientific principles and skillful implementation of the experiments.
4. Students enable to familiarize about the preparation of solutions of different strength. Ex. Buffer.
5. Student will be able to utilize all basic instruments used in molecular biology.
6. Isolation, quantification and storage methods of DNA will be helpful to students to carry out advanced studies like genetic engineering.



## DEPARTMENT OF ZOOLOGY

### PROGRAMME OUTCOME, PROGRAMME SPECIFIC OUTCOME, COURSE OUTCOME

#### Program Outcomes: (B.Sc.):

On completion of B.Sc. degree academically a student is empowered with

- **Critical Thinking:** The students begin to introspect on their own preconceived notions in light of contrary but reliable observations. Graduating students develop the ability to analyse and assess a phenomenon objectively so that an unbiased judgement can be made. The students begin to unravel fallacies and bad reasoning so that cooperative reasoning can blossom.
- **Hands on Laboratory Experience:** Students are able to perform basic laboratory protocols following sound scientific methods with minimum error. Should develop a thorough understanding behind logic and theory of using different stains for different structures and components.
- **Individual and Team work:** Students are able to come up with new ideas that address current local problems and take initiative in formulating solutions through spreading awareness. Students should also be able to work in cohesion as a team so that constructive tasks are performed.
- **Bibliographic Search:** Students are able to employ modern literature survey and retrieval methods to obtain information about concepts, scientific techniques and natural phenomena.
- **Effective Communication:** Communication on complex scientific topics through effective reports and design documents.
- **Academic Integrity & Ethics:** Graduate education is a multifaceted enterprise, but its purpose is to prepare student to be professionals capable of teaching and conducting research that is ethically sound.
- **Social Responsibility:** The students is able to bring about positive change in society through awareness campaigns, speeches, dialogue and social outreach especially to underprivileged.
- **Life-long Learning:** The student may leave the institution but does not relinquish learning and augments the traditional wisdom of society with modern scientific knowledge imparted through formal educational programme.

- Analytical skills – Begins to understand, interpret and manipulate complex scientific data and statistics
- Data-handling skills – Learns to record, collate and analyse data using appropriate techniques and equipment
- Project management skills - organising and undertaking research projects and experiments (including budgeting, contingency planning and time management) developing a good competence of information technology along the way

Job opportunities: after completion of B.Sc. degree with Zoology a student can be offered for jobs in the following fields.

- Animal nutritionist
- Ecologist
- Environmental consultant
- Field trials officer
- Nature conservation officer
- Science writer
- Zookeeper
- Zoologist

#### **Program Specific Outcomes:**

- Understand the nature and basic concepts of chordate, non-chordate, evolution, genetics, ecology, Animal physiology, economic zoology and molecular biology and biotechnology
- Analyse the relationship among animals, plants and microbes to develop a synergistic/ integrated view of the biosphere.
- Perform experiments as per laboratory standards in the different areas of zoology
- Demonstrated a broad understood of animal diversity

- Gain knowledge about various tools & techniques used in biological systems and gives them insight about their use in research.
- Understand the complex evolutionary processes; origin and development of animals.
- How zoological principles can be applied to problems in public health and Hygiene, conservation and applied biology.

## Course Outcomes: (Paper Wise):

### **Semester – I Life and Diversity of Non-chordata**

- Understand the diversity of Non-Chordata, its systematic position and how they contributed for the evolution of complex organisms
- Understand the anatomical features of non-chordates through type study.
- Generate an idea about minor phyla

### **Semester – II Cell Biology**

- Understand basic knowledge about cell with reference to its structure and function at molecular level including signaling and proliferation in prokaryotic and eukaryotic organisms.
- Able to draw the structure of cell organelles and locate its parts along with functions
- Explain the organization of genes & chromosomes
- Compare and contrast the events of cell cycle and its regulation
- Summarize the definition, sources and applications of stem cells

### **Semester – II Developmental Biology**

- Explain the process of development in general
- Distinguish the various process involved in animal development
- Comprehends different events in gametogenesis
- Gain knowledge about structure, types and functions of placenta
- Recognizes different modes of reproduction like parthenogenesis
- Able to explain the mechanism in regeneration of vertebrate. and invertebrates

### **Semester – III Life and Diversity of Non-Chordata & Concept of Evolution**

- Observe the diversity in chordates and their classification
- Analyze the significant adaptive features in fishes
- Understand anatomical and physiological aspects through type study
- Appreciate transitional stages and their significance in evolution
- Create a positive attitude towards conservation of biodiversity
- Understand natural selection as an evolutionary process and its significant role
- Obtained the knowledge about direct observation of fossils and evolutionary important specimen by which evolutionary relationship of animal groups can be design

### **Semester – IV Advanced Genetics**

- Understand the role of genes as dominant, recessive and interaction of genes through Mendel's laws
- Understand significant importance of linkage and crossing over in variation of population
- Understanding of genetic methodology and how quantification of heritable traits in families and populations provides insight into cellular and molecular mechanisms
- Understanding how genetic concepts affect broad societal issues including health and diseases, food, environmental sustainability etc.
- The knowledge required designing, executing and analysing the results of genetic experiments in animal and plants model system
- The ability to evaluate conclusions based on genetic data

### **Semester – IV Animal Ecology**

- Discuss, evaluate and apply scientific principles to the ecology and conservation
- Apply a conceptual framework to solve problems in animal ecology
- Characterize the chemical and physical features of environment of animals and pressure exerted by these features on the later.
- Develop holistic view of biosphere, building up from local ecosystems so that the importance of organisms in each other's lives is manifested

### **Semester –V Animal Physiology**

Outline the basic control process of the nervous system and explains how it drives the muscle movement and sensory perceptions.

- Recognize structural peculiarities of aquatic and terrestrial respiratory organs, mechanism of physical basis of gaseous exchange and physiological adjustments to enhance ability of blood to transport respiratory gases culminating in release of the latter at their destination sites
- Measure and interpret experimental data and demonstrate laboratory skills in haematological experiments
- Communicate experimental data and a theoretical understanding of animal physiology
- Understand the types of animal tissue and architecture of different organs.

### **Semester –V Economic Zoology**

- Develop an understanding with reference to insect pests, beneficial insects, aquaculture, integrated fish farming, etc
- Students begin to explore the possibility of setting up their own small scale industry by utilizing the knowledge gained through economic zoology so that they become job givers instead of job seekers

### **Semester – VI Molecular Biology and Biotechnology**

- Understood the blue print of life i.e. DNA, its types, its experimentation and its importance in conducting molecular biology experiments
- Comprehensive understanding of the chemical basis of heredity
- Develop an insight into how information flows from genes to proteins leading to regulation of cellular processes
- Able to understand recombinant DNA technology along with other techniques in biotechnology
- Gain knowledge about immunity and its different aspects like production of antibodies, complement system and their interactions.

## 2.6.2 Attainment of program outcomes, program-specific outcomes, and course outcomes: -

Outcome-based education system being practiced from 2020-21 for the undergraduate (UG) & postgraduate (PG) courses in the college. Course outcomes mean how students will be able to demonstrate knowledge and values after completion of the course. At the end of every semester course, outcome attainment is measured with PO/PSO. Each course has well-defined course outcomes evaluation criteria. The course outcomes are mapped to the program outcomes which are useful to provide the quantitative measurement of the program outcome achieved. The process of Program outcome assessment is based on the following methods: - Unit test, common test examination, University exam performance, Assignment, Projects, Practical performance, Internship, Field study, Group discussion, Seminar, Debate Competition, Sports Competition, Participation in college level or university level competition, Student participation in various social activities like tree plantation, NSS related activities consider in PSO & CO attainment by the students. Alongside these various methods, our college students are evaluated regularly based on their behavior in class, participation in college activities, class discussion, and overall class conduct. & Student feedback on Learning Outcome.

### Program Outcome Attainment

Program outcome attainment measurements are identified to measure the progress of the students. The Assessment methods include Direct & Indirect methods. The process of Program outcome assessment is based on the following methods: - Unit test, common test examination, University exam performance, Assignment, Projects, Practical performance, Internship, Field study, Group discussion, Seminar, Debate Competition, Sports Competition, Participation in college level or university level competition, Student participation in various social activities like tree plantation, NSS related activities consider in PSO & CO attainment by the students. Alongside these various methods, our college students are evaluated regularly based on their behavior in class, participation in college activities, class discussion, and overall class conduct.

#### **Parameter: - I (Final Year Examination)**

**4 (Very Good): - 75-100 % of students successfully passed their respective courses in the Final Year Examination.**

**3 (Good): - 50-74 % of students successfully pass their respective courses in the Final Year Examination.**

**2 (Satisfactory): - 26-49 % of students successfully pass their respective courses in the Final Year Examination.**

**1 (Unsatisfactory): - 0-25 % of students successfully passed their respective courses in the Final Year Examination.**

Program Outcome Attainment					
S.N.	Name of the Examination	No. of Students Appear for Exam	No. of Students Passed in the Exam	Result Percentage (%)	PO Attainment Level

### Program Specific Outcome Attainment

Program-specific outcome attainment measurements are identified to measure the progress of the students. The Assessment methods include Direct & Indirect methods. The process of PSO assessment is based on the following methods: - Unit test, common test examination, University exam performance, Assignment, Projects, Practical performance, Internship, Field study, Group discussion, Seminar, Debate Competition, Sports Competition,

Participation in college level or university level competition, Student participation in various social activities like tree plantation, NSS related activities consider in PSO & CO attainment by the students. Alongside these various methods, our college students are evaluated regularly based on their behavior in class, participation in college activities, class discussion, and overall class conduct.

According to the below parameters, the attainment of Program Specific Outcome of the various courses offered by the college is measured.

**Parameter: - I (Students Passing Rate)**

4 (Very Good): - 75-100 % of students successfully passed the Year End Examination.  
 3 (Good): - 50-74 % of students successfully passed the Year End Examination.  
 2 (Satisfactory): - 26-49 % of students successfully passed the Year End Examination.  
 1 (Unsatisfactory): - 0-25 % of students successfully passed the Year End Examination.  
**Parameter: - II (Students Distinction Rate)**

4 (Very Good): - 75-100 % of students successfully passed in the Year End Examination with distinction.  
 3 (Good): - 50-74 % of students successfully passed in the Year End Examination with distinction.  
 2 (Satisfactory): - 26-49 % of students successfully passed in the Year End Examination with distinction.  
 1 (Unsatisfactory): - 0-25 % of students successfully passed in the Year End Examination with distinction.

**Parameter: - III (Students First Class Rate)**

4 (Very Good): - 75-100 % of students successfully passed in the Year End Examination with First class.  
 3 (Good): - 50-74 % of students successfully passed in the Year End Examination with First class.  
 2 (Satisfactory): - 26-49 % of students successfully passed in the Year End Examination with First class.  
 1 (Unsatisfactory): - 0-25 % of students successfully passed in the Year End Examination with First class.

**Parameter: - IV (Students Second Class Rate)**

1 (Unsatisfactory): - 75-100 % of students successfully passed in the Year End Examination with the Second class.  
 2 (Satisfactory): - 50-74 % of students successfully passed in the Year End Examination with the Second class.  
 3 (Good): - 26-49 % of students successfully passed the Year End Examination with the Second class.  
 4 (Very Good): - 0-25 % of students successfully passed the Year End Examination with the Second class.

**Parameter: - V (Students Third Class Rate)**

1 (Unsatisfactory): - 75-100 % of students successfully passed in the Year End Examination with Third Class.  
 2 (Satisfactory): - 50-74 % of students successfully passed in the Year End Examination with Third Class.  
 3 (Good): - 26-49 % of students successfully passed in the Year End Examination with Third Class.  
 4 (Very Good): - 0-25 % of students successfully passed in the Year End Examination with Third Class.

According to the below parameters, the attainment of the Program Outcome of the various courses offered by the college is measured.

Program Specific Outcome Attainment																	
S.N.	Name of the Examination	No.of Students Appeard ForExam	No.of Students Passed in the Final Year Exam	Result Percenta ge(%)	No.of Students Passed In First Class	No.of Students Passed In Second Class	No.of Students Passed In Third Class	No.of Students in Passed In Distinction	No.of Students in Passed First Class (%)	No.of Students in Passed Second Class (%)	No.of Students in Passed Third Class (%)	No.of Students in Passed Distinction (%)	Parameter I	Parameter II	Parameter III	Parameter IV	Average Attainment (Parameter I+II+III+IV /4)

## **Course Outcome Attainment**

Course outcome attainment measurements are identified to measure the progress of the students. The Assessment methods include Direct & Indirect methods. The process of course outcome assessment is based on the following methods: - Unit test, common test examination, University exam performance, Assignment, Projects, Practical performance, Internship, Field study, Group discussion, Seminar, Debate Competition, Sports Competition, Participation in college level or university level competition, Student participation in various social activities like tree plantation, NSS related activities consider in PSO & CO attainment by the students.

Alongside these various methods, our college students are evaluated regularly based on their behavior in class, participation in college activities, class discussion, and overall class conduct.

**4 (Very Good): -75-100 % of students successfully passed their respective courses each semester.**

**3 (Good): - 50-74 % of students successfully passed their respective course each semester.**

**2 (Satisfactory): - 26-49 % of students successfully passed their respective course at each semester.**

**1 (Unsatisfactory): - 0-25 % of students successfully passed their respective courses each semester.**

**According to the below parameters, the attainment of the Course Outcome of the various courses offered by the college is measured.**

<b>Course Outcome Attainment</b>					
<b>S.N.</b>	<b>Name of the Subject</b>	<b>No. of Students Appear for Exam</b>	<b>No. of Students Passed in the Subject</b>	<b>Passed Percentage (%)</b>	<b>CO Attainment Level</b>

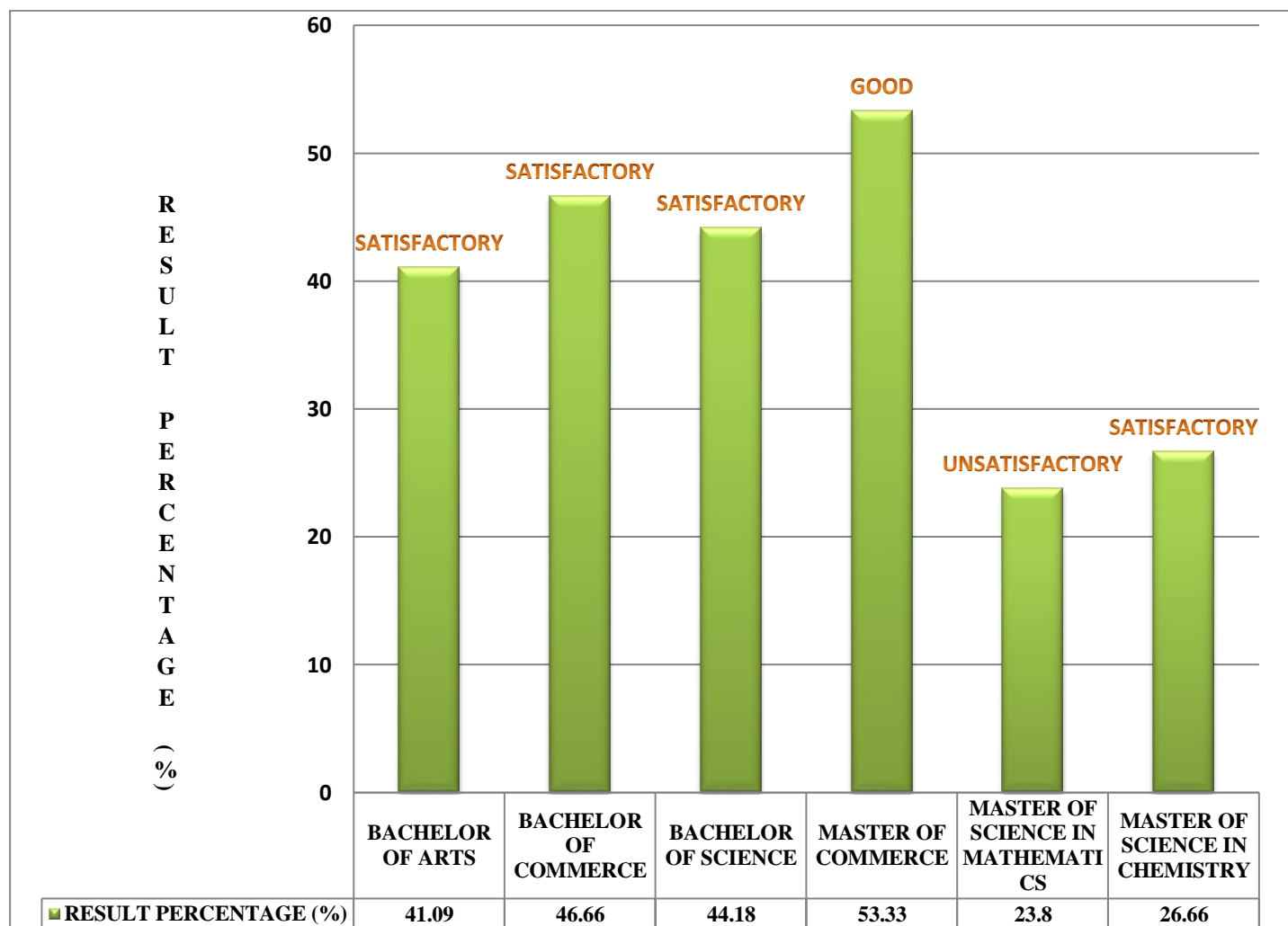


## Evaluation of Attainment of PO, PSO and CO

### PROGRAM ATTAINMENT 2022-23

PROGRAM OUTCOME ATTAINMENT						
YEAR	NAME OF THE EXAMINATION	NO. OF STUDENTS APPEARED FOR EXAM	NO. OF STUDENTS PASSED IN THE EXAM	RESULT PERCENTAGE(%)	PO ATTAINMENT LEVEL	GRADE
2022-23	BACHELOR OF ARTS	73	30	41.09	2	SATISFACTORY
	BACHELOR OF COMMERCE	60	28	46.66	2	SATISFACTORY
	BACHELOR OF SCIENCE	86	38	44.18	2	SATISFACTORY
	MASTER OF COMMERCE	15	8	53.33	3	GOOD
	MASTER OF SCIENCE IN MATHEMATICS	42	10	23.80	1	UNSATISFACTORY
	MASTER OF SCIENCE IN CHEMISTRY	30	8	26.66	2	SATISFACTORY

### PROGRAM ATTAINMENT 2022-23



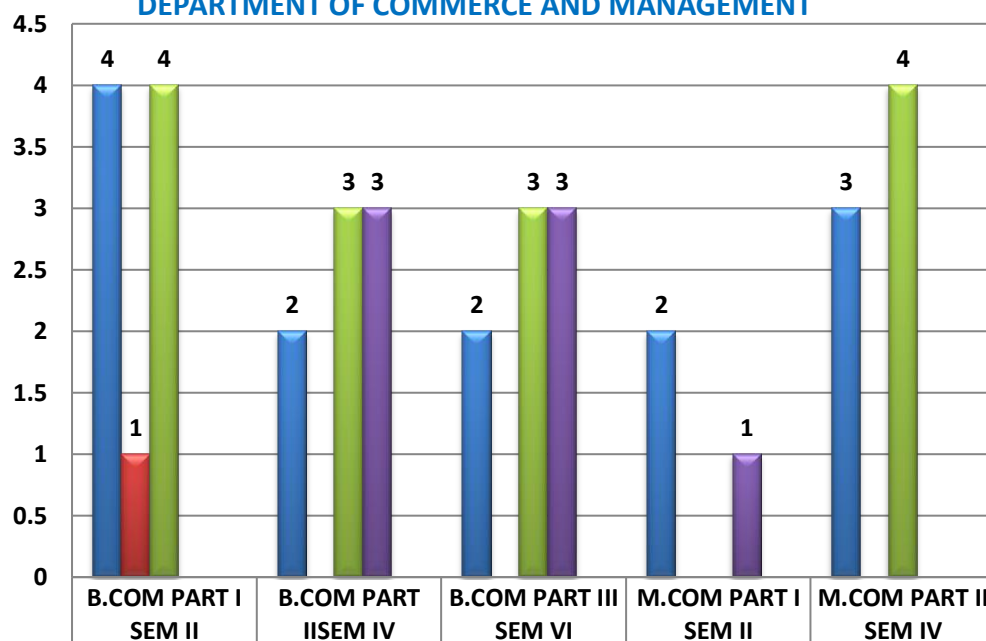
PROGRAM SPECIFIC OUTCOME ATTAINMENT 2022-23																			
S.N.	NAME OF THE EXAMINATION	NO. OF STUDENTS APPEARED FOR EXAM	NO. OF STUDENTS PASSED IN THE YEAR EXAM	RESULT PERCENTAGE (%)	NO. OF STUDENTS IN PASS DISTINCTION	NO. OF STUDENTS IN FIRST CLASS	NO. OF STUDENTS IN SECOND CLASS	NO. OF STUDENTS IN THIRD CLASS	NO. OF STUDENTS IN PASS DISTINCTION (%)	NO. OF STUDENTS IN FIRST CLASS (%)	NO. OF STUDENTS IN SECOND CLASS (%)	NO. OF STUDENTS IN THIRD CLASS (%)	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
1	B.COM PART I SEM II	53	41	77.36	07	34	00	00	17.07	82.93	00		4	1	4			1.66	UNSATISFACTORY
2	B.COM PART II SEM IV	43	15	34.88	00	09	06	00	00	60	40	00	2		3	3		2.66	SATISFACTORY
3	B.COM PART III SEM VI	61	28	46.67	00	18	10	00	00	64.28	35.72	00	2		3	3		2.66	SATISFACTORY
4	M.COM PART I SEM II	07	03	43	00	00	03	00	00	00	100	00	2			1		1.5	UNSATISFACTORY
5	M.COM PART II SEM IV	15	8	53.33	00	08		00	00	100	00	00	3		4			3.5	GOOD
6	B.A. Part-I (Sem.II)	122	42	34.42	06	33	03	00	14.28	78.57	07.14	00	2	1	4	4		2.75	SATISFACTORY
7	B.A. Part-II (Sem.IV)	83	09	10.84	00	09	00	00	00	100	00	00	1		4			2.5	SATISFACTORY
8	B.A. Part-III SEM VI	73	30	39.47	00	24	06	00	00	80	20	00	2		4	4		3.33	GOOD
9	B.Sc. I SEM II	81	17	20.98	00	16	01	00	00	94.11	00	00	1		4			2.5	SATISFACTORY
10	B.Sc. II SEM IV	44	16	36.36	01	13	02	00	06.25	81.25	12.50	00	2	1	4	4		2.5	SATISFACTORY
11	B.Sc. III SEM VI	85	38	44.70	01	24	13	00	02.64	63.15	34.21	00	2	1	3	3		2.5	SATISFACTORY
12	M.Sc. I SEM II MATHEMATICS	25	16	64	02	05	09	0	12.50	31.25	56.25	00	3	1	3	2		2.25	SATISFACTORY
13	M.Sc. I SEM IV MATHEMATICS	42	10	23.80	0	0	07	03			70	30	1			2	3	2	SATISFACTORY
14	M.Sc. I SEM II CHEMISTRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	M.Sc. I SEM IV CHEMISTRY	30	8	26.66	0	4	4	0		50	50	00	2		2	2		2	SATISFACTORY

## PARAMETER WISE PROGRAM SPECIFIC OUTCOME ATTAINMENT(PSO) DEPARTMENT OF COMMERCE AND MANAGEMENT

NAME OF THE EXAMINATION	PARAMETER I (RESULT %)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.COMPART-I SEM-II	4	1	4		
B.COMPART-II SEM IV	2		3	3	
B.COMPART-III SEM VI	2		3	3	
M.COMPART I SEM II	2			1	
M.COM PART-II SEM-IV	3		4		

### PROGRAM SPECIFIC OUTCOME ATTAINMENT DEPARTMENT OF COMMERCE AND MANAGEMENT

PARAMETERS

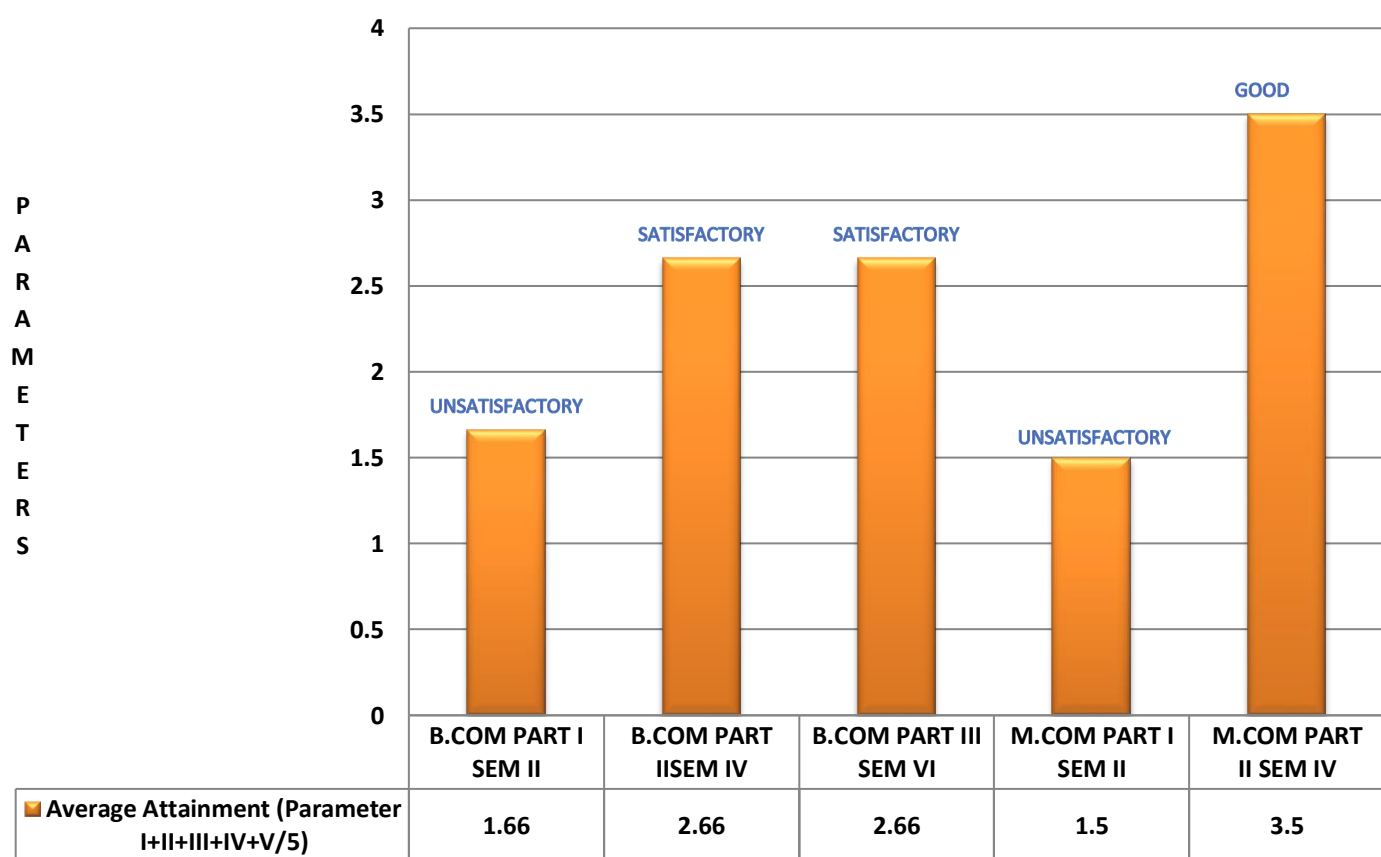


Parameter I (Result %)	4	2	2	2	3
Parameter II (Passed in Distinction)	1				
Parameter III (Passed in First Class)	4	3	3		4
Parameter IV (Passed in Second Class)		3	3	1	
Parameter V (Passed in Third Class)					

## DEPARTMENT OF COMMERCE & MANAGEMENT

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.COM PART I SEM II	4	1	4			1.66	UNSATISFACTORY
B.COM PART II SEM IV	2		3	3		2.66	SATISFACTORY
B.COM PART III SEM VI	2		3	3		2.66	SATISFACTORY
M.COM PART I SEM II	2			1		1.5	UNSATISFACTORY
M.COM PART II SEM IV	3		4			3.5	GOOD

### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)

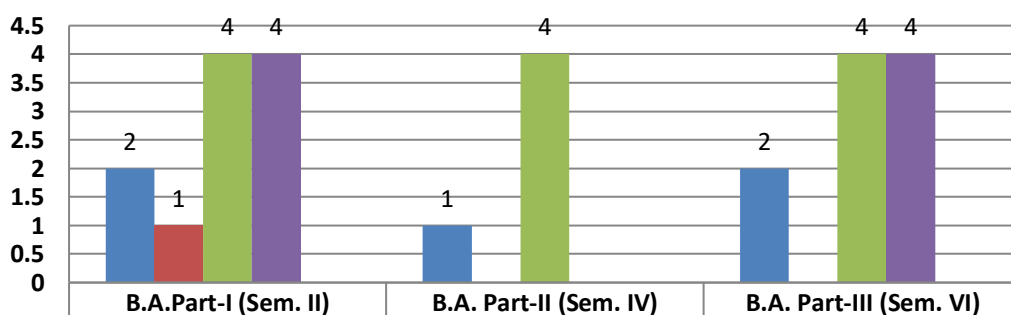


# DEPARTMENT OF ARTS

NAME OF THE EXAMINATION	PARAMETER I (RESULT%)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.A.PART- I(SEM.II)	2	1	4	4	
B.A.PART-II(SEM.IV)	1		4		
B.A.PART-III(SEM.VI)	2		4	4	

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## PROGRAM SPECIFIC OUTCOME ATTAINMENT DEPARTMENT OF ARTS



	B.A. Part-I (Sem. II)	B.A. Part-II (Sem. IV)	B.A. Part-III (Sem. VI)
Parameter I (Result %)	2	1	2
Parameter II (Passed In Distinction)	1		
Parameter III (Passed In First Class)	4	4	4
Parameter IV (Passed in Second Class)	4		4
Parameter V (Passed in Third Class)			

- Parameter I (Result %)
- Parameter II (Passed In Distinction)
- Parameter III (Passed In First Class)
- Parameter IV (Passed in Second Class)
- Parameter V (Passed in Third Class)

## DEPARTMENT OF ARTS

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.A.PART-I (SEM.II)	2	1	4	4		2.75	SATISFACTORY
B.A.PART-II(SEM.IV)	1		4			2.5	SATISFACTORY
B.A.PART-III(SEM.VI)	2		4	4		3.33	GOOD

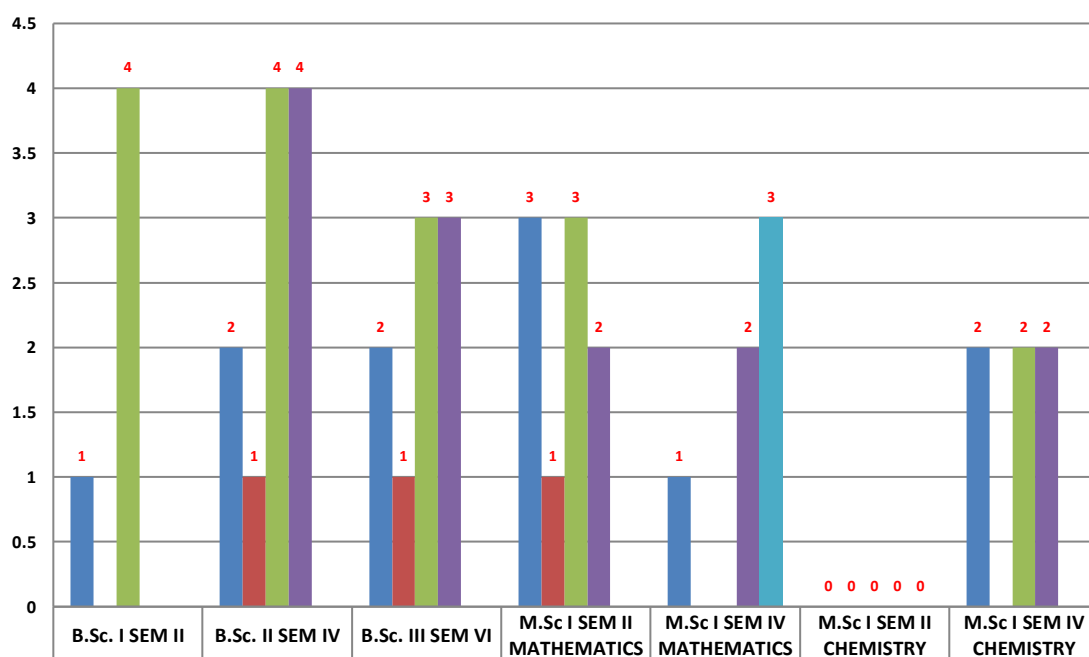
### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)



Average Attainment (Parameter I+II+III+IV+V/5)	B.A. Part-I (Sem. II)	B.A. Part-II (Sem. IV)	B.A. Part-III (Sem. VI)
	2.75	2.5	3.33

DEPARTMENT OF SCIENCE					
NAME OF THE EXAMINATION	PARAMETER I (RESULT %)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.SC. I SEM II	1		4		
B.SC. II SEM IV	2	1	4	4	
B.SC. III SEM VI	2	1	3	3	
M.SC I SEM II MATHEMATICS	3	1	3	2	
M.SC I SEM IV MATHEMATICS	1			2	3
M.SC I SEM II CHEMISTRY	-	-	-	-	-
M.SC I SEM IV CHEMISTRY	2		2	2	

## PROGRAM SPECIFIC OUTCOME ATTAINMENT SCIENCE DEPARTMENT

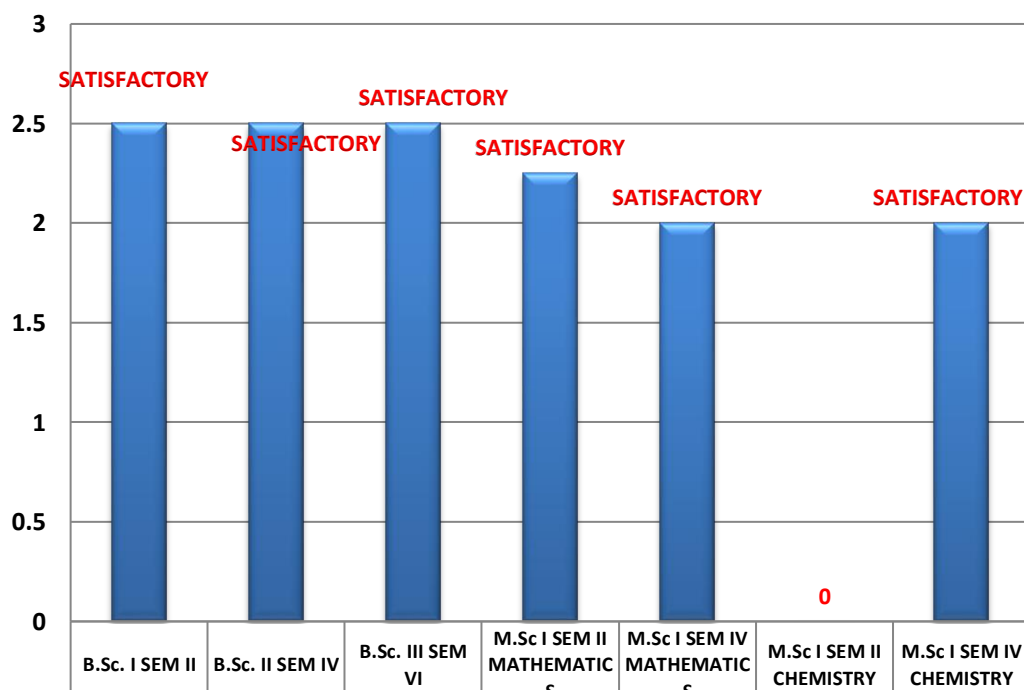


Parameter I (Result %)	1	2	2	3	1	0	2
Parameter II (Passed in Distinction)		1	1	1		0	
Parameter III (Passed in First Class)	4	4	3	3		0	2
Parameter IV (Passed in Second Class)		4	3	2	2	0	2
Parameter V (Passed in Third Class)					3	0	

## DEPARTMENT OF SCIENCE

Name of the Examination	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.Sc. I SEM II	1		4			2.5	SATISFACTORY
B.Sc. II SEM IV	2	1	4	4		2.5	SATISFACTORY
B.Sc. III SEM VI	2	1	3	3		2.5	SATISFACTORY
M.Sc I SEM II MATHEMATICS	3	1	3	2		2.25	SATISFACTORY
M.Sc I SEM IV MATHEMATICS	1			2	3	2	SATISFACTORY
M.Sc I SEM II CHEMISTRY	-	-	-	-	-	-	-
M.Sc I SEM IV CHEMISTRY	2		2	2		2	SATISFACTORY

### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)



■ Average Attainment (Parameter I+II+III+IV+V/5)

B.Sc. I SEM II	2.5	B.Sc. II SEM IV	2.5	B.Sc. III SEM VI	2.5	M.Sc I SEM II MATHEMATICS	2.25	M.Sc I SEM IV MATHEMATICS	2	M.Sc I SEM II CHEMISTRY	0	M.Sc I SEM IV CHEMISTRY	2
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# COURSEOUTCOMEATTAINMENT 2022-23

COURSEOUTCOMEATTAINMENT 2022-23						
S.N.	NAME OF SUBJECT	NO.OF STUDENTS APPREAD FOR EXAM	NO.OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
B.COM PARTI SEM I	ENGLISH	61	48	78.68	4	VERY GOOD
	MARATHI	61	52	85.24	4	VERY GOOD
	PRINCIPLES OF ECONOMICS	61	49	80.23	4	VERY GOOD
	ADVANCED ACCOUNTANCY	61	48	78.68	4	VERY GOOD
	PRINCIPLES OF BUSINESS ORGANISATION	61	55	90.16	4	VERY GOOD
	COMPUTER FUNDAMENTALS & OPERATING SYSTEMS M-1	61	61	100	4	VERY GOOD
B.COM PARTI SEM II	ENGLISH	53	44	80.01	4	VERY GOOD
	MARATHI	53	49	92.45	4	VERY GOOD
	BUSINESS ECONOMICS	53	45	84.90	4	VERY GOOD
	FINANCIAL ACCOUNTING	53	46	80.79	4	VERY GOOD
	PRINCIPLES OF BUSINESS MANAGEMENT	53	49	92.45	4	VERY GOOD
	COMPUTER FUNDAMENTALS & OPERATING SYSTEMS M-2	53	53	100	4	VERY GOOD
B.COM PART II SEM III	ENGLISH	58	23	39.65	2	SATISFACTORY
	MARATHI	58	48	82.75	4	VERY GOOD
	COMPANY ACCOUNT	58	19	32.75	2	SATISFACTORY
	BUSINESS MATHEMATICS	58	34	58.62	3	GOOD
	AUDITING	58	26	44.82	2	SATISFACTORY
	MONITORIAL SYSTEM	58	30	51.72	3	GOOD
	INFORMATION TECHNOLOGY & BUSINESS DATA PROCESSING-1	58	40	68.96	3	GOOD
B.COM PART II SEM V	ENGLISH	43	21	48.83	2	SATISFACTORY
	MARATHI	43	38	88.37	4	VERY GOOD
	CORPORATE ACCOUNTING	43	22	51.16	3	GOOD

	<b>BUSINESS STATISTICS</b>	43	24	55.81	3	GOOD
	<b>INCOME TAX</b>	43	20	46.51	2	SATISFACTORY
	<b>INDIAN FINANCIAL SYSTEM</b>	43	29	67.44	3	GOOD
	<b>INFORMATION TECHNOLOGY &amp; BUSINESS DATA PROCESSING -2</b>	43	40	93.02	4	VERY GOOD
B.COM PART III SEM V	<b>ENGLISH</b>	66	44	66.67	3	GOOD
	<b>MARATHI</b>	66	61	92.42	4	VERY GOOD
	<b>COST ACCOUNTING</b>	66	44	66.67	3	GOOD
	<b>BUSINESS ENVIRONMENT</b>	66	40	60.60	3	GOOD
	<b>BUSINESS REGULATORY</b>	66	50	75.75	4	VERY GOOD
	<b>INDIAN INSURANCE SYSTEM-I</b>	66	50	75.75	4	VERY GOOD
	<b>INDIAN BANKING SYSTEM-I</b>	66	48	72.72	3	GOOD
B.COM PART III SEM VI	<b>ENGLISH</b>	60	35	58.33	3	GOOD
	<b>MARATHI</b>	60	58	96.66	4	VERY GOOD
	<b>MANAGEMENT ACCOUNTING</b>	60	36	60	3	GOOD
	<b>ECONOMICS OF DEVELOPMENT</b>	60	49	81.66	4	VERY GOOD
	<b>COMPANY LAW</b>	60	49	81.66	4	VERY GOOD
	<b>INDIAN INSURANCE SYSTEM-II</b>	60	39	65	3	GOOD
	<b>INDIAN BANKING SYSTEM-II</b>	60	55	91.66	4	VERY GOOD
M.COM I SEMI	<b>MANAGERIAL ECONOMICS</b>	07	07	100	4	VERY GOOD
	<b>SERVICES MARKETING &amp; CRM</b>	07	05	71.42	3	GOOD
	<b>ADVANCED FINANCIAL ACCOUNTING</b>	07	05	71.42	3	GOOD
	<b>BANKING &amp; INSURANCE</b>	07	06	85.71	4	VERY GOOD
M.COM I SEMII	<b>ACCOUNTING FOR MANAGEMENT</b>	07	03	42.85	2	SATISFACTORY
	<b>STRATEGIC MANAGEMENT</b>	07	07	100	4	VERY GOOD
	<b>MANAGEMENT CONCEPT &amp; OB</b>	07	04	57.14	3	GOOD
	<b>COMPUTER APPLICATION FOR BUSINESS</b>	07	05	71.42	3	GOOD
M.COM II SEMIII	<b>RESEARCH METHODOLOGY</b>	14	10	71.42	3	GOOD
	<b>STATISTICAL ANALYSIS</b>	14	13	92.85	4	VERY GOOD
	<b>CORPORATE TAX &amp; MANAGEMENT</b>	14	09	64.28	3	GOOD
	<b>E-COMMERCE &amp; LEGAL</b>	14	13	92.85	4	VERY GOOD

	<b>SECURITY</b>					
M.COM II SEMIV	<b>ENTREPRENEURSHIP AND SKILL DEVELOPMENT</b>	13	13	100	4	VERY GOOD
	<b>INTERNATIONAL FINANCING</b>	13	08	61.53	3	GOOD
	<b>SALES AND DISTRIBUTION MANAGEMENT</b>	13	10	76.92	4	VERY GOOD
	<b>COOPERATIVE MANAGEMENT</b>	<b>13</b>	<b>12</b>	<b>92.30</b>	<b>4</b>	VERY GOOD

## COURSE OUTCOME ATTAINMENT 2022-2023

### DEPARTMENT OF COMMERCE

### BACHELOR OF COMMERCE

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
B.COM PART IIISEMVI	<b>ENGLISH</b>	58.33	3	GOOD
	<b>MARATHI</b>	96.66	4	VERY GOOD
	<b>MANAGEMENT ACCOUNTING</b>	60	3	GOOD
	<b>ECONOMICS OF DEVELOPMENT</b>	81.66	4	VERY GOOD
	<b>COMPANY LAW</b>	81.66	4	VERY GOOD
	<b>INDIAN INSURANCE SYSTEM-II</b>	65	3	GOOD
	<b>INDIAN BANKING SYSTEM-II</b>	91.66	4	VERY GOOD

## COURSE OUTCOME ATTAINMENT 2022-2023

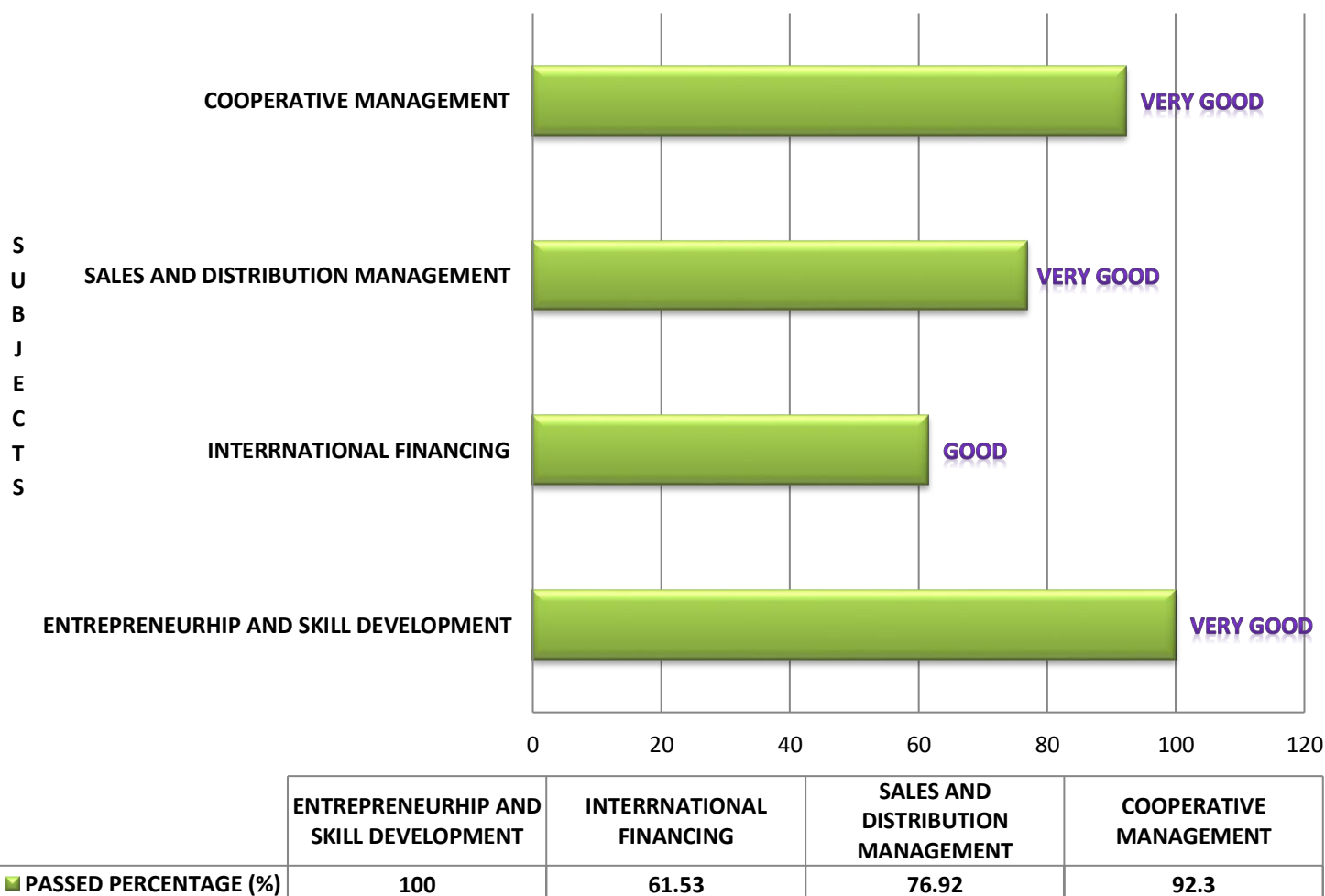
### BACHELOR OF COMMERCE



**COURSE OUTCOME ATTAINMENT 2022-2023**  
**DEPARTMENT OF COMMERCE**  
**MASTER OF COMMERCE**

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
M.COM II SEM IV	ENTREPRENEURSHIP AND SKILL DEVELOPMENT	100	4	VERY GOOD
	INTERNATIONAL FINANCING	61.53	3	GOOD
	SALES AND DISTRIBUTION MANAGEMENT	76.92	4	VERY GOOD
	COOPERATIVE MANAGEMENT	92.30	4	VERY GOOD

**COURSE OUTCOME ATTAINMENT**



**COURSE OUTCOME ATTAINMENT 2022-23**  
**ARTS DEPARTMENT**

COURSE NAME	NAME OF SUBJECT	NO.OF STUDENTS APPREAD FOR EXAM	NO.OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
<b>BA SEM-I</b>	ENGLISH (B.A. SEM-I)					
	MARATHI ( SEM-I)	157	61	39	2	SATISFACTORY
	MARATHI LITERATURE (SEM-I)	35	22	63	3	GOOD
	ECONOMICS (SEM-I)	59	08	13.55	1	UNSATISFACTORY
	HOME ECONOMICS(B.A. SEM-I)	83	70	84.33	4	VERY GOOD
	POLITICAL SCIENCE (SEM-I)	110	26	23.63	1	UNSATISFACTORY
	HISTORY(SEM-I)	65	13	20	1	UNSATISFACTORY
	GEOGRAPHY(SEM-I)	110	98	89.09	4	VERY GOOD
	STATISTICS(SEM-I)	25	21	84	4	VERY GOOD
<b>BA SEM-II</b>	ENGLISH (B.A. SEM-II)					
	MARATHI ( SEM-II)	106	74	70	3	GOOD
	MARATHI LITERATURE (SEM-II)	22	14	64	3	GOOD
	ECONOMICS (SEM-II)	35	31	88.57	4	VERY GOOD
	HOME ECONOMICS(B.A. SEM-II)	59	56	95	4	VERY GOOD
	POLITICAL SCIENCE (SEM-II)	68	44	64.70	3	GOOD
	HISTORY(SEM-II)	59	16	27.10	2	
	GEOGRAPHY(SEM-II)	73	72	98.63	4	VERY GOOD
	STATISTICS(SEM-II)	14	13	82.85	4	VERY GOOD
<b>BA SEM-III</b>	ENGLISH (B.A. SEM-III)					
	MARATHI ( SEM-III)	97	24	25	1	UNSATISFACTORY
	MARATHI LITERATURE (SEM-III)	11	01	09	1	UNSATISFACTORY
	ECONOMICS (SEM-III)	32	01	03.12	1	UNSATISFACTORY
	HOME ECONOMICS(B.A. SEM-III)	49	31	63.26	3	GOOD
	POLITICAL SCIENCE (SEM-III)	65	62	95.38	4	VERY GOOD
	HISTORY(SEM-III)	44	13	37.70	2	SATISFACTORY
	GEOGRAPHY(SEM-III)	76	44	57.89	3	GOOD
	STATISTICS(SEM-III)	09	07	77.77	4	VERY GOOD
<b>BA SEM-IV</b>	ENGLISH (B.A. SEM-IV)					
	MARATHI ( SEM-IV)	70	48	69	3	GOOD
	MARATHI LITERATURE (SEM-IV)	09	03	33	2	SATISFACTORY
	ECONOMICS (SEM-IV)	25	16	64	3	GOOD

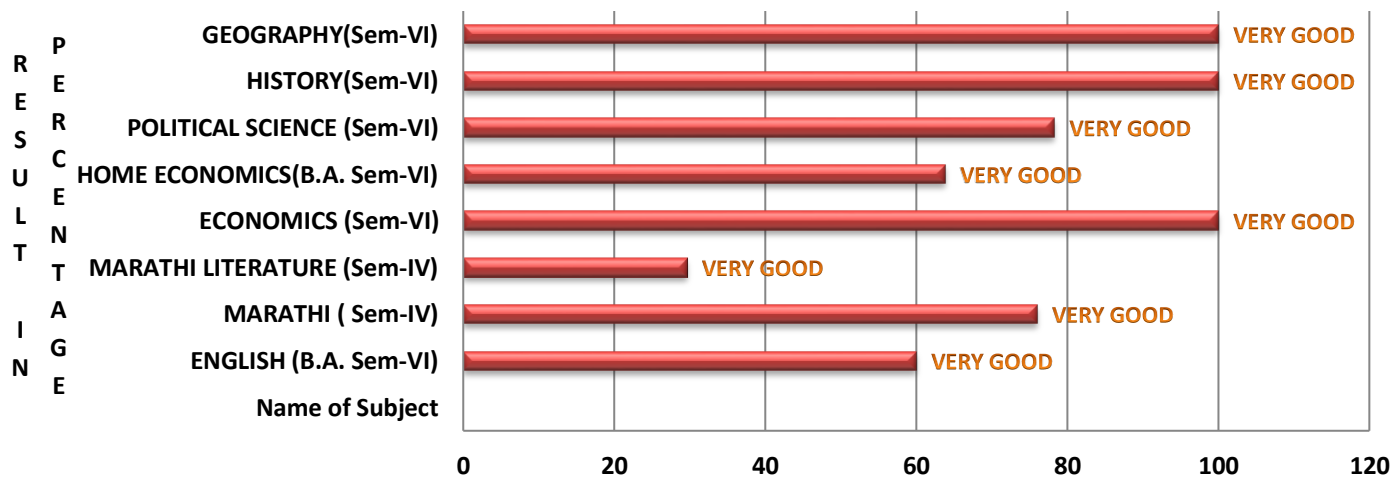
	<b>HOME ECONOMICS(B.A. SEM-IV)</b>	40	30	75	4	<b>VERY GOOD</b>
	<b>POLITICAL SCIENCE (SEM-IV)</b>	38	10	26.31	2	<b>SATISFACTORY</b>
	<b>HISTORY(SEM-IV)</b>	47	16	34	2	<b>SATISFACTORY</b>
	<b>GEOGRAPHY(SEM-IV)</b>	57	52	91.22	4	<b>VERY GOOD</b>
	<b>STATISTICS(SEM-IV)</b>	06	05	83.33	4	<b>VERY GOOD</b>
<b>BA SEM-V</b>	<b>ENGLISH (B.A. SEM-V)</b>					
	<b>MARATHI ( SEM-V)</b>	77	51	66	3	<b>GOOD</b>
	<b>MARATHI LITERATURE (SEM-V)</b>	14	07	50	3	<b>GOOD</b>
	<b>ECONOMICS (SEM-V)</b>	28	12	42.85	2	<b>SATISFACTORY</b>
	<b>HOME ECONOMICS(SEM-V)</b>	34	15	44.11	2	<b>SATISFACTORY</b>
	<b>POLITICAL SCIENCE (SEM-V)</b>	47	24	51.66	3	<b>GOOD</b>
	<b>HISTORY(SEM-V)</b>	41	41	100	4	<b>VERY GOOD</b>
	<b>GEOGRAPHY(SEM-V)</b>	54	41	75.92	4	<b>VERY GOOD</b>
	<b>STATISTICS(SEM-V)</b>	15	07	46.66	2	<b>SATISFACTORY</b>
<b>BA SEM-VI</b>	<b>ENGLISH (B.A. SEM-VI)</b>					
	<b>MARATHI ( SEM-VI)</b>	73	44	60	3	<b>GOOD</b>
	<b>MARATHI LITERATURE (SEM-VI)</b>	13	10	76	4	<b>VERY GOOD</b>
	<b>ECONOMICS (SEM-VI)</b>	27	08	29.62	2	<b>SATISFACTORY</b>
	<b>HOME ECONOMICS(B.A. SEM-VI)</b>	30	30	100	4	<b>VERY GOOD</b>
	<b>POLITICAL SCIENCE (SEM-VI)</b>	47	30	63.82	3	<b>GOOD</b>
	<b>HISTORY(SEM-VI)</b>	37	29	78.30	4	<b>VERY GOOD</b>
	<b>GEOGRAPHY(SEM-VI)</b>	50	50	100	4	<b>VERY GOOD</b>
	<b>STATISTICS(SEM-VI)</b>	16	16	100	4	<b>VERY GOOD</b>

# COURSE OUTCOME ATTAINMENT 2022-23

## DEPARTMENT OF ARTS

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
B.A. SEM-VI	ENGLISH (B.A. SEM-VI)			
	MARATHI ( SEM-IV)	60	3	GOOD
	MARATHI LITERATURE (SEM-IV)	76	4	VERY GOOD
	ECONOMICS (SEM-VI)	29.62	2	SATISFACTORY
	HOME ECONOMICS(B.A. SEM-VI)	100	4	VERY GOOD
	POLITICAL SCIENCE (SEM-VI)	63.82	3	GOOD
	HISTORY(SEM-VI)	78.30	4	VERY GOOD
	GEOGRAPHY(SEM-VI)	100	4	VERY GOOD
	STATISTICS(SEM-VI)	100	4	VERY GOOD

## COURSE OUTCOME ATTAINMENT DEPARTMENT OF ARTS



Name of Subject	ENGLISH (B.A. Sem-VI)	MARATHI ( Sem-IV)	MARATHI LITERATURE (Sem-IV)	ECONOMICS (Sem-VI)	HOME ECONOMICS(B.A. Sem-VI)	POLITICAL SCIENCE (Sem-VI)	HISTORY(Sem-VI)	GEOGRAPHY(Sem-VI)
Passed Percentage (%)	60	76	29.62	100	63.82	78.3	100	100

# COURSE OUTCOME ATTAINMENT 2022-2023

## DEPARTMENT OF SCIENCE

COURSE NAME	NAME OF SUBJECT	NO. OF STUDENTS APPEAR FOR EXAM	NO. OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
<b>B.S.C. SEM-I</b>	<b>B.SC.I SEM-I ENGLISH</b>	-	-	-	-	-
	<b>B.SC.I SEM-I PHYSICS</b>	44	08	18.18	1	UNSATISFACTORY
	<b>B.SC.I SEM-I CHEMISTRY</b>	56	13	23.21	1	UNSATISFACTORY
	<b>B.SC.I SEM-I MATHEMATICS</b>	36	08	22.22	1	UNSATISFACTORY
	<b>B.SC.I SEM-I COMPUTER SCIENCE</b>	37	14	37.83	2	SATISFACTORY
	<b>B.SC.I SEM-I BOTANY</b>	44	29	65.90	3	GOOD
<b>B.S.C. SEM-II</b>	<b>B.SC. I SEM II ENGLISH</b>	-	-	-	--	-
	<b>B.SC. I SEM II PHYSICS</b>	37	13	35.13	2	SATISFACTORY
	<b>B.SC. I SEM II CHEMISTRY</b>	54	17	31.48	2	SATISFACTORY
	<b>B.SC. I SEM II MATHEMATICS</b>	30	16	53	3	GOOD
	<b>B.SC. I SEM II COMPUTER SCIENCE</b>	34	31	91.18	4	VERY GOOD
	<b>B.SC. I SEM II BOTANY</b>	42	17	40.47	2	SATISFACTORY
<b>B.S.C. SEM-III</b>	<b>B.SC. I SEM III PHYSICS</b>	17	07	41.17	2	SATISFACTORY
	<b>B.SC. I SEM III CHEMISTRY</b>	45	09	20	1	UNSATISFACTORY
	<b>B.SC. I SEM III MATHEMATICS</b>	13	08	61.54	3	GOOD
	<b>B.SC. I SEM III COMPUTER SCIENCE</b>	08	02	25	2	SATISFACTORY



	<b>B.SC. I SEM III BOTANY</b>	31	07	22.58	1	<b>UNSATISFACTORY</b>
<b>B.S.C. SEM-IV</b>	<b>B.SC. I SEM IV PHYSICS</b>	16	12	75	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM IV CHEMISTRY</b>	37	32	86.48	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM IV MATHEMATICS</b>	11	11	100	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM IV COMPUTER SCIENCE</b>	06	03	50	3	<b>GOOD</b>
	<b>B.SC. I SEM IV BOTANY</b>	23	05	21.73	1	<b>UNSATISFACTORY</b>
<b>B.S.C. SEM-V</b>	<b>B.SC. I SEM V PHYSICS</b>	46	15	32.61	2	<b>SATISFACTORY</b>
	<b>B.SC. I SEM V CHEMISTRY</b>	75	39	52	3	<b>GOOD</b>
	<b>B.SC. I SEM V MATHEMATICS</b>	38	26	68.42	3	<b>GOOD</b>
	<b>B.SC. I SEM V COMPUTER SCIENCE</b>	21	09	42.86	2	<b>SATISFACTORY</b>
	<b>B.SC. I SEM V BOTANY</b>	41	24	58.53	3	<b>GOOD</b>
<b>B.S.C. SEM-VI</b>	<b>B.SC. I SEM VI PHYSICS</b>	44	20	45.45	2	<b>SATISFACTORY</b>
	<b>B.SC. I SEM VI CHEMISTRY</b>	74	53	71.62	3	<b>GOOD</b>
	<b>B.SC. I SEM VI MATHEMATICS</b>	37	33	89.19	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM VI COMPUTER SCIENCE</b>	20	08	40	2	<b>SATISFACTORY</b>
	<b>B.SC. I SEM VI BOTANY</b>	41	23	56.10	3	<b>GOOD</b>
<b>MSC SEM I CHEMISTRY</b>	<b>INORGANIC CHEMISTRY</b>	24	13	54.66%	3	<b>GOOD</b>
	<b>ORGANIC CHEMISTRY-I</b>	24	18	75%	4	<b>VERY GOOD</b>
	<b>PHYSICAL CHEMISTRY-I</b>	24	20	83.33%	4	<b>VERY GOOD</b>

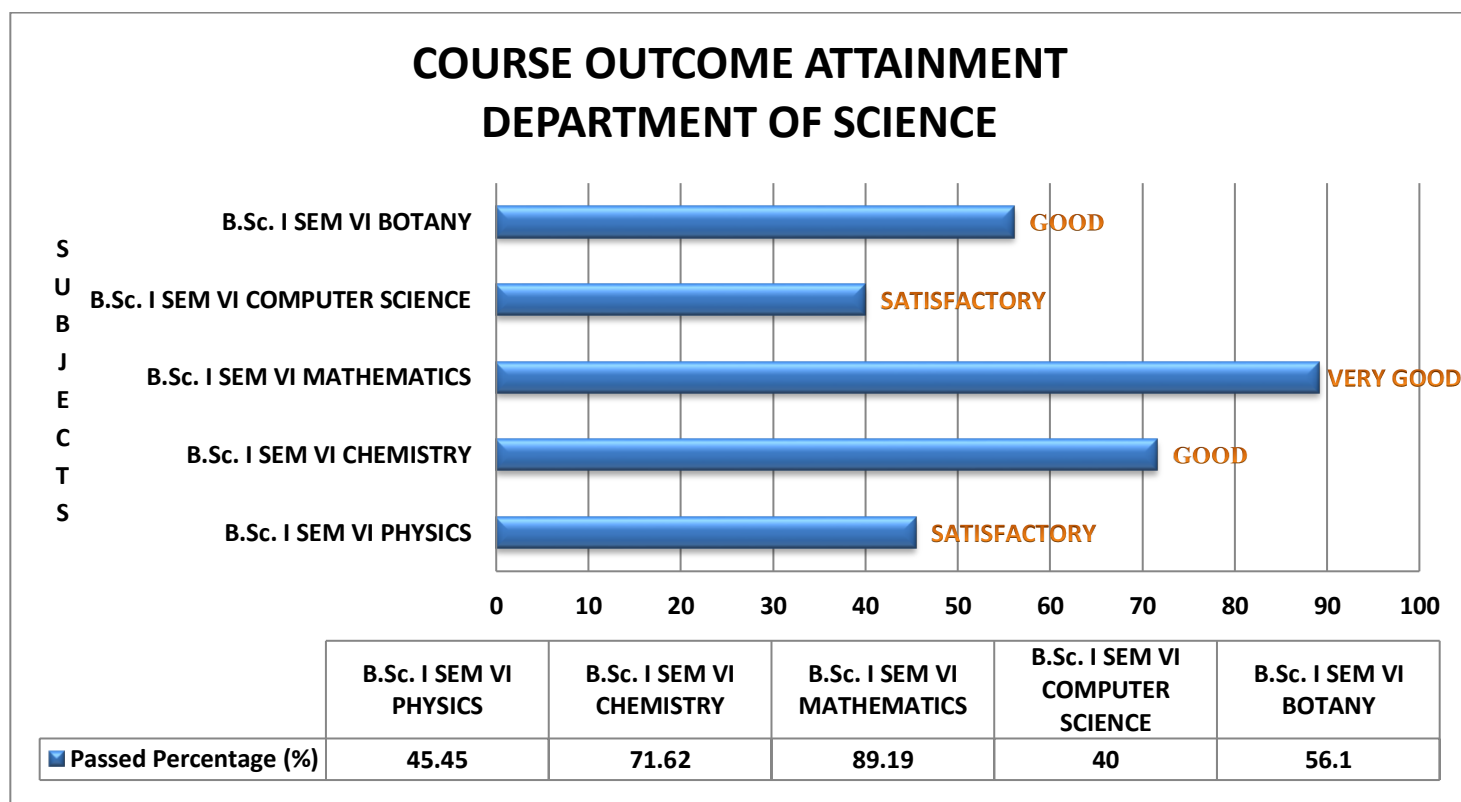
	MODERN METHODS OF SEPARATION	24	16	66.66%	3	GOOD
MSC SEM II	CO-ORDINATION CHEMISTRY	22	20	90%	4	VERY GOOD
	ORGANIC CHEMISTRY-II	22	20	90%	4	VERY GOOD
	PHYSICAL CHEMISTRY-II	22	19	86.36%	4	VERY GOOD
	OPTICAL METHOD AND ENV. CHEMISTRY	22	17	77.27%	4	VERY GOOD
MSC SEM III	SPECTROSCOPY-I	30	4	13.33%	1	UNSATISFACTORY
	ANALYTICAL CHEMISTRY	30	18	60%	3	GOOD
	ORGANIC SYNTHESIS-I	30	4	13.33%	1	UNSATISFACTORY
	NATURAL PRODUCT-I	30	12	40%	2	SATISFACTORY
MSC SEM IV	SPECTROSCOPY-II	30	15	50%	3	GOOD
	GENERAL ANALYTICAL CHEMISTRY	30	27	90%	4	VERY GOOD
	ORGANIC SYNTHESIS-II	30	17	56.66%	3	GOOD
	NATURAL PRODUCT-II	30	18	60%	3	GOOD
MSC SEM I MATHEMATICS	REAL ANALYSIS	27	19	70.37	3	GOOD
	AEC ON REAL ANALYSIS	27	26	90.30	4	VERY GOOD
	ADV.ABSTRACT ALGEBRA	27	19	70.30	3	GOOD
	COMPLEX ANALYSIS	27	25	92.59	4	VERY GOOD
	TOPOLOGY-I	27	20	74.07	3	GOOD
	DIFFERENTIAL GEOMETRY	27	26	90.30	4	VERY GOOD

MSC SEM II	MEASURE AND INTEGRATION THEORY	25	25	100	4	VERY GOOD
	AEC ON ADV.LINEAR ALGEBRA & FIELD THEORY	27	27	100	4	VERY GOOD
	ADV. LINEAR ALGEBRA & FIELD THEORY	25	24	96	4	VERY GOOD
	INTEGRAL EQUATION	25	21	84	4	VERY GOOD
	TOPOLOGY-II	25	20	80	4	VERY GOOD
	RIEMANNIAN GEOMETRY	25	20	80	4	VERY GOOD
MSC SEM III	FUNCTIONAL ANALYSIS-I	47	42	89.36	4	VERY GOOD
	ADVANCED MECHANICS	47	20	42.55	2	SATISFACTORY
	OPERATIONS RESEARCH	47	19	40.43	2	SATISFACTORY
	GENERAL RELATIVITY	47	38	80.85	4	VERY GOOD
	FLUID DYNAMICS-I	47	31	65.96	3	GOOD
MSC SEM IV	FUNCTIONAL ANALYSIS-II	45	20	44.44	2	SATISFACTORY
	PARTIAL DIFF. EQUATIONS	42	30	71.42	3	GOOD
	NUMERICAL ANALYSIS	43	25	58.13	3	GOOD
	RELATIVISTIC COSMOLOGY	43	27	62.79	3	GOOD
	FLUID DYNAMICS-II	41	31	75.60	4	VERY GOOD

# COURSE OUTCOME ATTAINMENT 2022-23

## DEPARTMENT OF SCIENCE

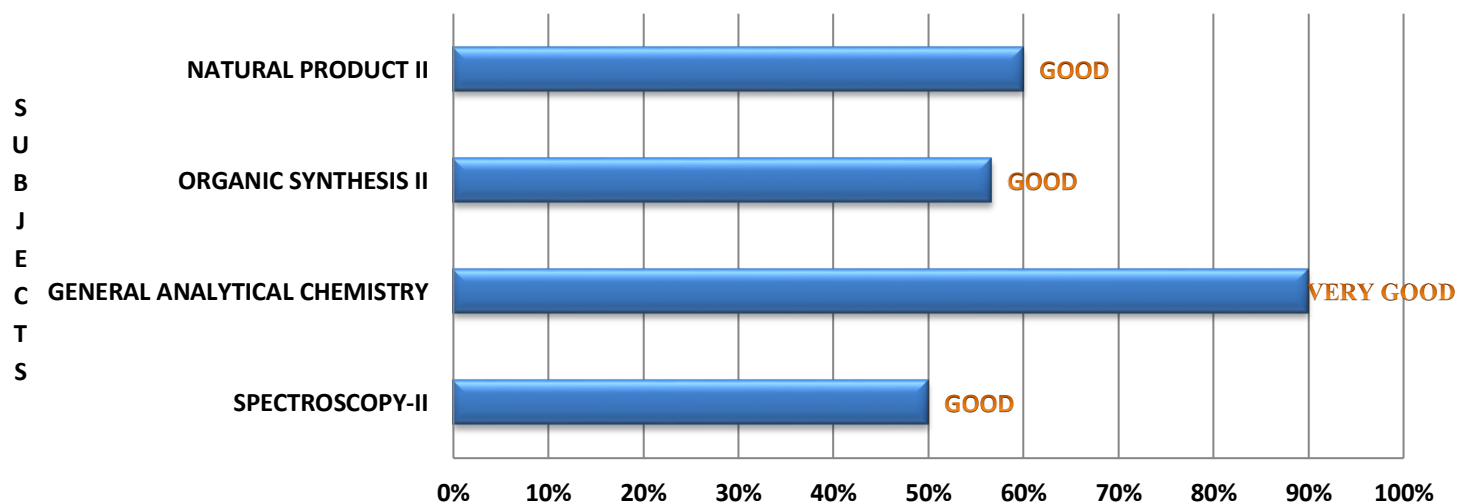
DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
B.S.C. SEM-VI	B.Sc. I SEM VI PHYSICS	45.45	2	SATISFACTORY
	B.Sc. I SEM VI CHEMISTRY	71.62	3	GOOD
	B.Sc. I SEM VI MATHEMATICS	89.19	4	VERY GOOD
	B.Sc. I SEM VI COMPUTER SCIENCE	40	2	SATISFACTORY
	B.Sc. I SEM VI BOTANY	56.10	3	GOOD



**COURSE OUTCOME ATTAINMENT 2022-23**  
**DEPARTMENT OF SCIENCE**  
**M.SC CHEMISTRY**

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
MSC CHEMISTRY	SPECTROSCOPY-II	50%	3	GOOD
	GENERAL ANALYTICAL CHEMISTRY	90%	4	VERY GOOD
	ORGANIC SYNTHESIS-II	56.66%	3	GOOD
	NATURAL PRODUCT-II	60%	3	GOOD

**COURSE OUTCOME ATTAINMENT**  
**DEPARTMENT OF SCIENCE**  
**M.SC CHEMISTRY**

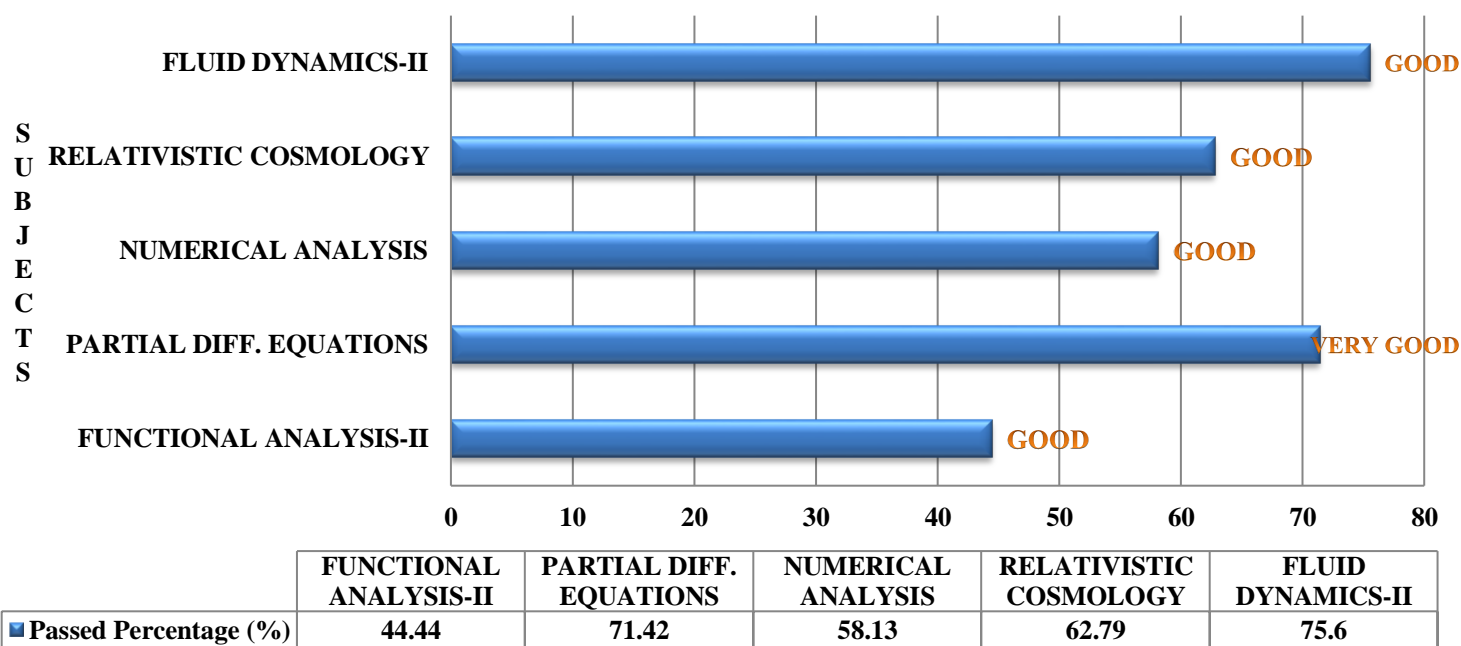


	SPECTROSCOPY-II	GENERAL ANALYTICAL CHEMISTRY	ORGANIC SYNTHESIS II	NATURAL PRODUCT II
Passed Percentage (%)	50%	90%	56.66%	60%

**COURSE OUTCOME ATTAINMENT 2022-23**  
**DEPARTMENT OF SCIENCE**  
**M.SC MATHEMATICS**

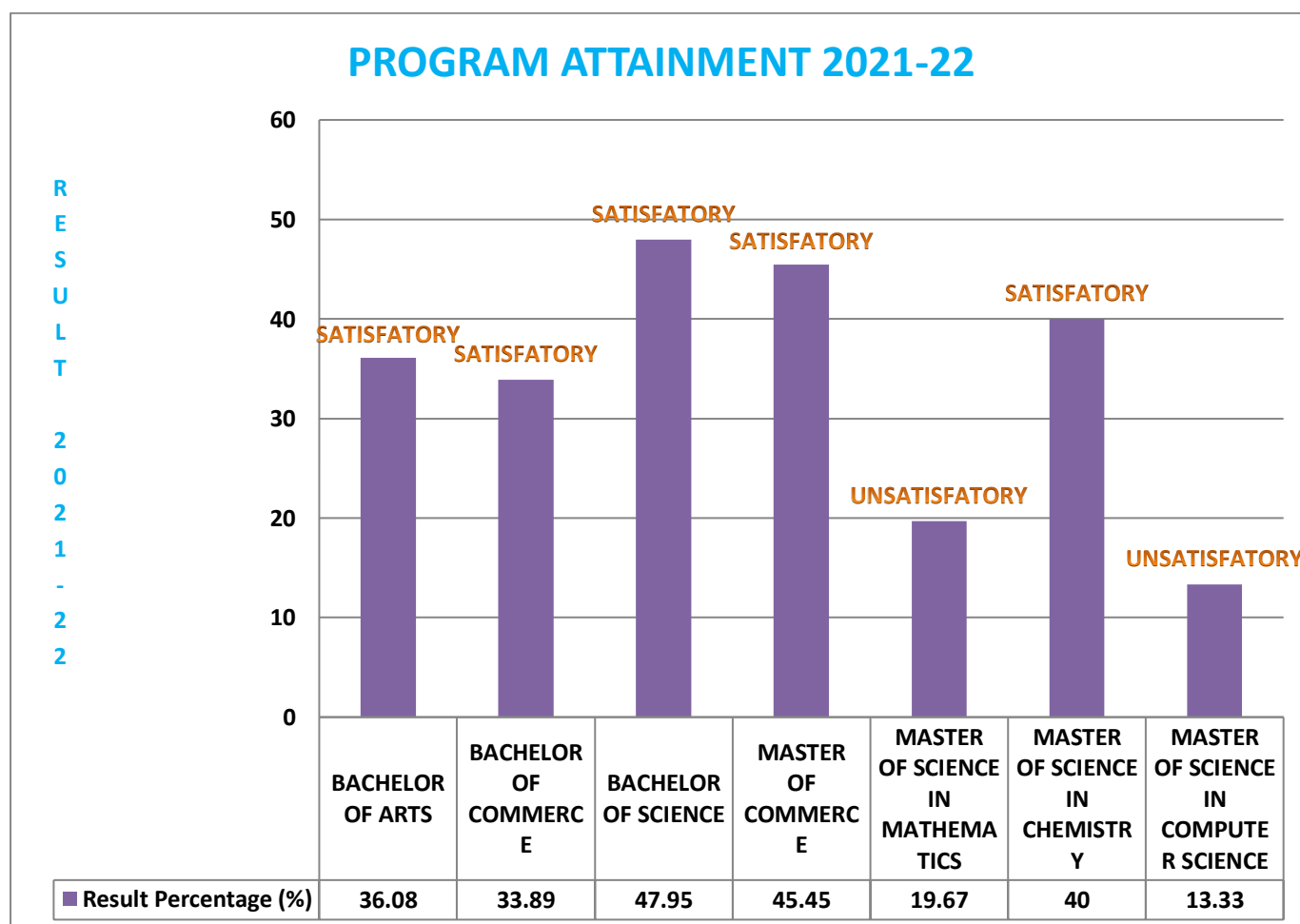
DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
MSC MATHEMATICS	FUNCTIONAL ANALYSIS-II	44.44	2	SATISFACTORY
	PARTIAL DIFF. EQUATIONS	71.42	3	GOOD
	NUMERICAL ANALYSIS	58.13	3	GOOD
	RELATIVISTIC COSMOLOGY	62.79	3	GOOD
	FLUID DYNAMICS-II	75.60	4	VERY GOOD

**COURSE OUTCOME ATTAINMENT**  
**DEPARTMENT OF SCIENCE**  
**M.SC MATHEMATICS**



## PROGRAM ATTAINMENT -2021-2022

PROGRAM OUTCOME ATTAINMENT						
YEAR	NAME OF THE EXAMINATION	NO. OF STUDENTS APPEARED FOR EXAM	NO. OF STUDENTS PASSED IN THE EXAM	RESULT PERCENTAGE (%)	PO ATTAINMENT LEVEL	GRADE
2021-22	BACHELOR OF ARTS	97	35	36.08	2	SATISFACTORY
	BACHELOR OF COMMERCE	59	20	33.89	2	SATISFACTORY
	BACHELOR OF SCIENCE	98	47	47.95	2	SATISFACTORY
	MASTER OF COMMERCE	11	05	45.45	2	SATISFACTORY
	MASTER OF SCIENCE IN MATHEMATICS	61	12	19.67	1	UNSATISFACTORY
	MASTER OF SCIENCE IN CHEMISTRY	30	12	40	2	SATISFACTORY
	MASTER OF SCIENCE IN COMPUTER SCIENCE	15	2	13.33	1	UNSATISFACTORY



## PROGRAM SPECIFIC OUTCOME ATTAINMENT 2021-22

S.N.	NAME OF THE EXAMINATION	NO. OF STUDENTS APPEARED FOR EXAM	NO. OF STUDENTS PASSED IN THE END YEAR EXAM	RESULT PERCENTAGE (%)	NO. OF STUDENTS IN PASSED IN DISTINCTION	NO. OF STUDENTS PASSED IN FIRST CLASS	NO. OF STUDENTS PASSED IN SECOND CLASS	NO. OF STUDENTS PASSED IN THIRD CLASS	NO. OF STUDENTS IN PASSED IN DISTINCTION (%)	NO. OF STUDENTS IN PASSED IN FIRST CLASS (%)	NO. OF STUDENTS IN PASSED IN SECOND CLASS (%)	NO. OF STUDENTS IN PASSED IN THIRD CLASS (%)	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
1	B.COM PART I SEM II	71	06	8.45	00	02	04	00	00	33.34	66.66	00	1		2	2		1.66	UNSATISFACTORY
2	B.COM PART II SEM IV	68	13	19.12	00	04	09	00	00	30.76	69.23	00	1		2	2		1.66	UNSATISFACTORY
3	B.COM PART III SEM VI	59	20	33.90	00	03	17	00	00	15	85	00	2		1	1		1.66	UNSATISFACTORY
4	M.COM PART I SEM II	14	04	28.57	00	00	04	00	00	00	100	00	2			1		1.5	UNSATISFACTORY
5	M.COM PART II SEM IV	11	5	38.46	00	00	05	00	00	00	100	00	2			1		1.5	UNSATISFACTORY
6	B.A. Part-I (Sem. II)	120	11	09.16	00	07	04	00	00	63.63	36.36	00	1		3	3		2.33	SATISFACTORY
7	B.A. Part-II (Sem. IV)	101	13	12.87	00	06	07	00	00	46.15	53.85	00	1		2	2		1.66	UNSATISFACTORY
8	B.A. Part-III SEM VI	97	35	36.08	00	30	05	00	00	85.71	14.28	00	2		4	4		3.33	GOOD
9	B.Sc. I SEM II	56	30	53.57	01	10	19	00	03.34	33.33	63.33	00	3	1	2	2		2	SATISFACTORY
10	B.Sc. II SEM IV	86	42	48.83	05	21	16	00	11.90	50	38.09	00	2	1	2	3		2	SATISFACTORY
11	B.Sc. III SEM VI	98	47	47.95	04	29	14	00	08.51	61.70	29.79	00	2	1	2	2		1.75	UNSATISFACTORY
12	M.Sc. I SEM II MATHEMATICS	47	15	31.91	01	10	04	0	6.67	66.67	26.66	00	2	1	3	2		2	SATISFACTORY
13	M.Sc. I SEM IV MATHEMATICS	61	12	19.67	0	0	09	03			75	25	1		3	4		2.66	SATISFACTORY
14	M.Sc. I SEM II CHEMISTRY	30	1	3.33	0	1	0	0		100		00	1		4			2.5	SATISFACTORY
15	M.Sc. I SEM IV CHEMISTRY	30	12	40	1	8	3	0	8.33	66.67	25	00	2	1	2	4		2.25	SATISFACTORY

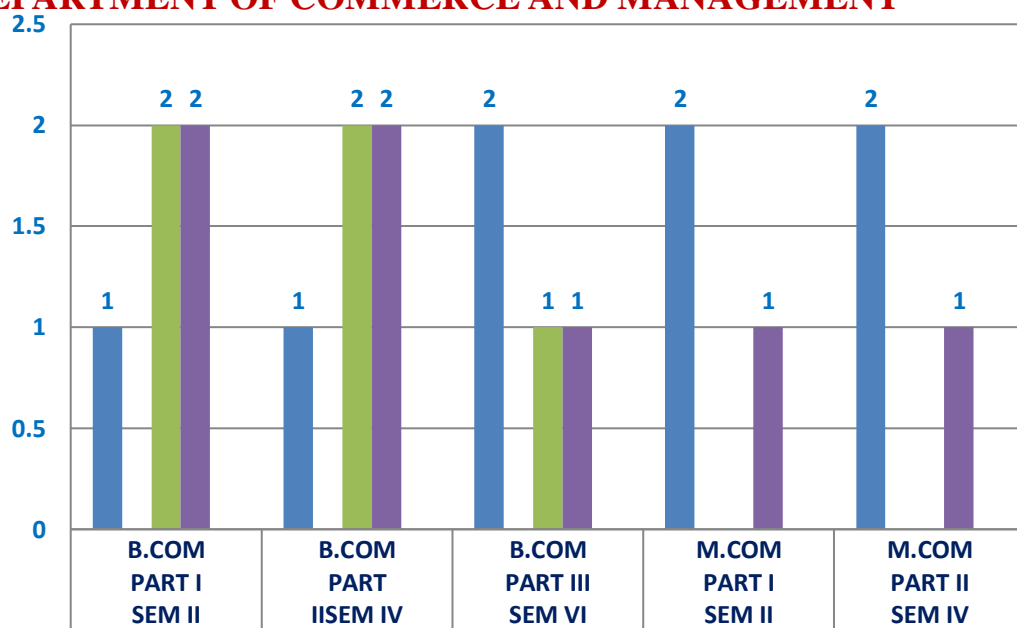


## PARAMETER WISE PROGRAM SPECIFIC OUTCOME ATTAINMENT(PSO) DEPARTMENT OF COMMERCE AND MANAGEMENT

NAME OF THE EXAMINATION	PARAMETER I (RESULT%)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.COMPART-I SEM-II	1		2	2	
B.COMPART-II SEM-IV	1		2	2	
B.COMPART-III SEM-VI	2		1	1	
M.COMPART- I SEM-II	2			1	
M.COMPART- II SEM-IV	2			1	

### PROGRAM SPECIFIC OUTCOME ATTAINMENT DEPARTMENT OF COMMERCE AND MANAGEMENT

PARAMETERS



■ Parameter I (Result %)	1	1	2	2	2
■ Parameter II (Passed in Distinction)					
■ Parameter III (Passed in First Class)	2	2	1		
■ Parameter IV (Passed in Second Class)	2	2	1	1	1
■ Parameter V (Passed in Third Class)					

## DEPARTMENT OF COMMERCE & MANAGEMENT

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.COM PART I SEM-I	1		2	2		1.66	UNSATISFACTORY
B.COM PART II SEM-IV	1		2	2		1.66	UNSATISFACTORY
B.COM PART III SEM-VI	2		1	1		1.66	UNSATISFACTORY
M.COM PART I SEM-II	2			1		1.5	UNSATISFACTORY
M.COM PART II SEM-IV	2			1		1.5	UNSATISFACTORY

### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)

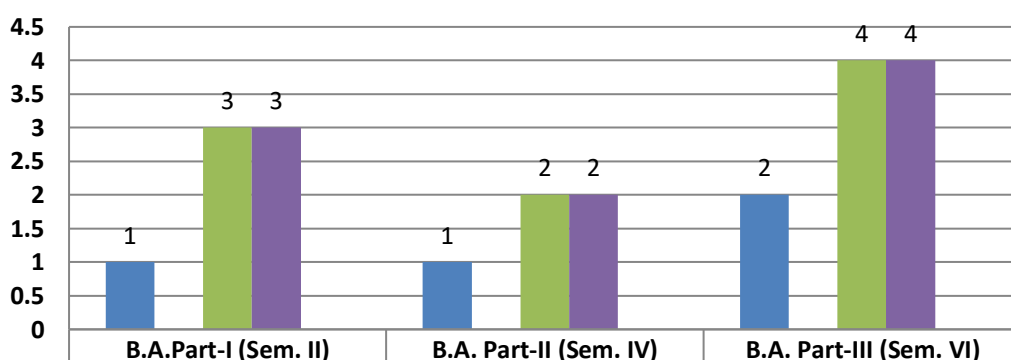


## DEPARTMENT OF ARTS

NAME OF THE EXAMINATION	PARAMETER I (RESULT%)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.A.PART-I(SEM.II)	1		3	3	
B.A.PART-II(SEM.IV)	1		2	2	
B.A.PART-III(SEM.VI)	2		4	4	

PARAMETERS

### PROGRAM SPECIFIC OUTCOME ATTAINMENT



Parameter I (Result %)	1	1	2
Parameter II (Passed In Distinction)			
Parameter III (Passed In First Class)	3	2	4
Parameter IV (Passed in Second Class)	3	2	4
Parameter V (Passed in Third Class)			

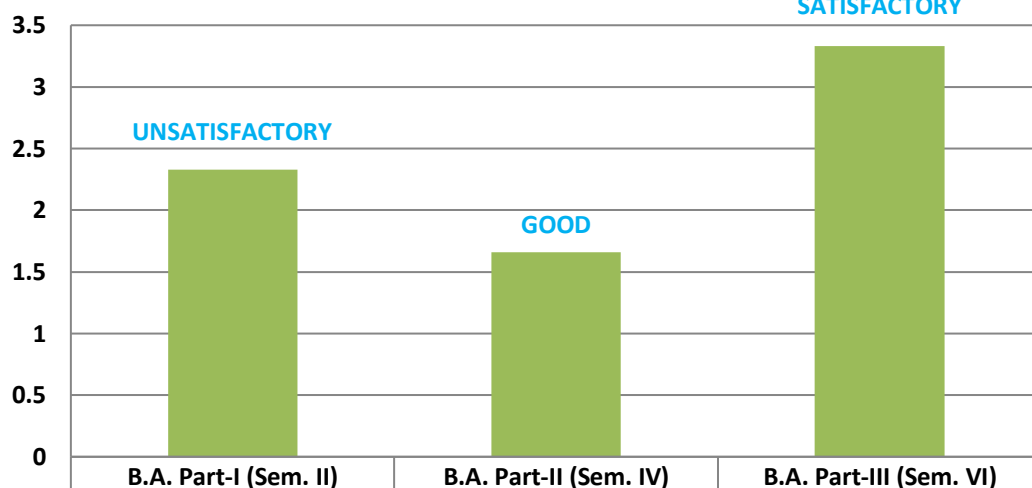
- Parameter I (Result %)
- Parameter II (Passed In Distinction)
- Parameter III (Passed In First Class)
- Parameter IV (Passed in Second Class)
- Parameter V (Passed in Third Class)

## DEPARTMENT OF ARTS

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.A.PART-I (SEM.II)	1		3	3		2.33	SATISFACTORY
B.A.PART-II(SEM.IV)	1		2	2		1.66	UNSATISFACTORY
B.A.PART-III(SEM.VI)	2		4	4		3.33	GOOD

### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)

SATISFACTORY



■ Average Attainment (Parameter I+II+III+IV+V/5)

B.A. Part-I (Sem. II)

B.A. Part-II (Sem. IV)

B.A. Part-III (Sem. VI)

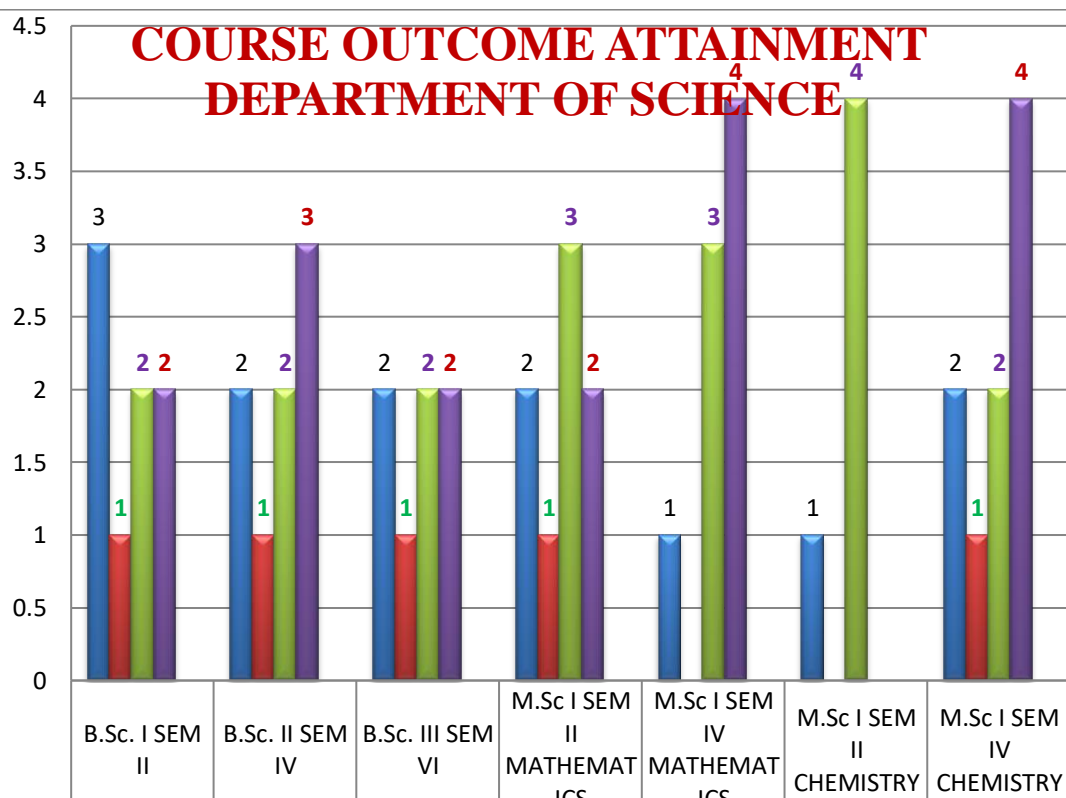
2.33

1.66

3.33

# DEPARTMENT OF SCIENCE

NAME OF THE EXAMINATION	PARAMETER I (RESULT %)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.SC. I SEM II	3	1	2	2	
B.SC. II SEM IV	2	1	2	3	
B.SC. III SEM VI	2	1	2	2	
M.SC I SEM II MATHEMATICS	2	1	3	2	
M.SC I SEM IV MATHEMATICS	1		3	4	
M.SC I SEM II CHEMISTRY	1		4		
M.SC I SEM IV CHEMISTRY	2	1	2	4	

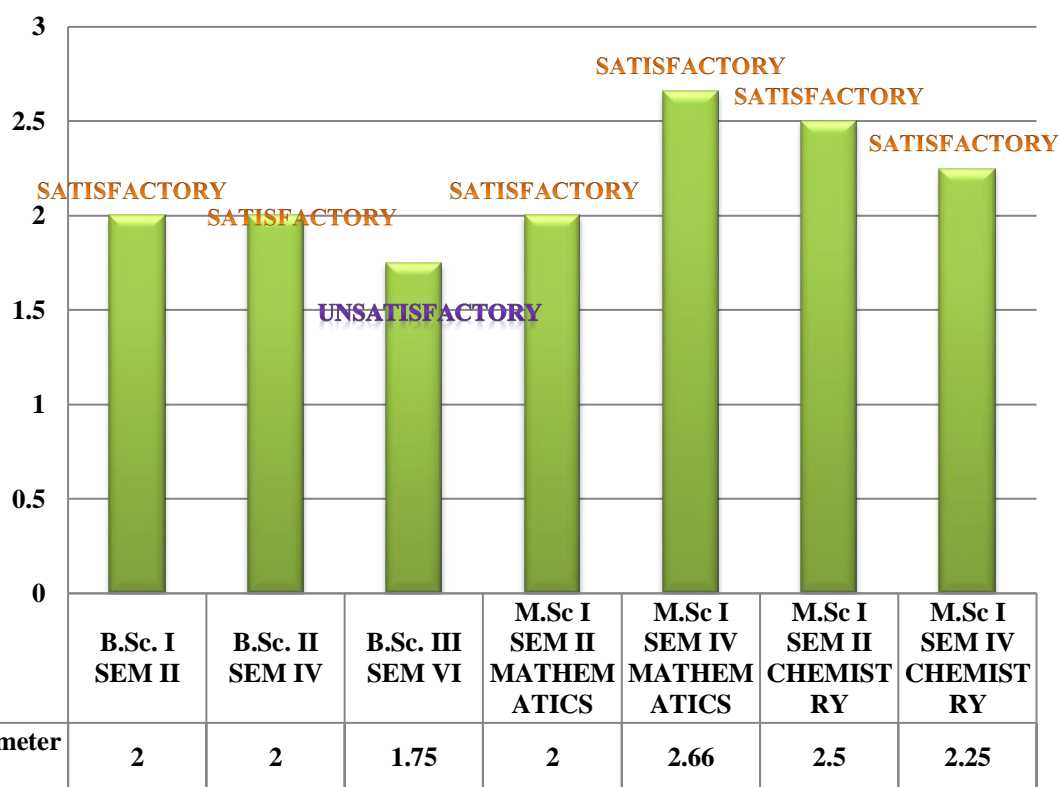


Parameter I (Result %)	3	2	2	2	1	1	2
Parameter II (Passed In Distinction)	1	1	1	1			1
Parameter III (Passed In First Class)	2	2	2	3	3	4	2
Parameter IV (Passed in Second Class)	2	3	2	2	4		4
Parameter V (Passed in Third Class)							

# DEPARTMENT OF SCIENCE

Name of the Examination	Parameter I	Parameter II	Parameter I II	Parameter I V	Parameter V	Average Attainment (Parameter I+II+III+IV+V/5)	GRADE
B.Sc. I SEM II	3	1	2	2		2	SATISFACTORY
B.Sc. II SEM IV	2	1	2	3		2	SATISFACTORY
B.Sc. III SEM VI	2	1	2	2		1.75	UNSATISFACTORY
M.Sc I SEM II MATHEMATICS	2	1	3	2		2	SATISFACTORY
M.Sc I SEM IV MATHEMATICS	1		3	4		2.66	SATISFACTORY
M.Sc I SEM II CHEMISTRY	1		4			2.5	SATISFACTORY
M.Sc I SEM IV CHEMISTRY	2	1	2	4		2.25	SATISFACTORY

## AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)



# COURSE OUTCOME ATTAINMENT 2021-22

DEPARTMENT OF COMMERCE & MANAGEMENT						
S.N.	NAME OF SUBJECT	NO. OF STUDENTS APPEARED FOR EXAM	NO. OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
B.COM PART I SEM I	ENGLISH	73	70	95.89	4	VERY GOOD
	MARATHI	73	72	98.63	4	VERY GOOD
	PRINCIPLES OF ECONOMICS	73	69	94.52	4	VERY GOOD
	ADVANCED ACCOUNTANCY	73	73	100	4	VERY GOOD
	PRINCIPLES OF BUSINESS ORGANISATION	73	72	98.63	4	VERY GOOD
	COMPUTER FUNDAMENTALS & OPERATING SYSTEMS M-1	73	72	98.63	4	VERY GOOD
B.COM PART II SEM II	ENGLISH	71	11	15.49	1	UNSATISFACTORY
	MARATHI	71	30	42.25	2	SATISFACTORY
	BUSINESS ECONOMICS	71	07	09.85	1	UNSATISFACTORY
	FINANCIAL ACCOUNTING	71	29	40.84	2	SATISFACTORY
	PRINCIPLES OF BUSINESS MANAGEMENT	71	40	56.33	3	GOOD
	COMPUTER FUNDAMENTALS & OPERATING SYSTEMS M-2	71	51	71.83	3	GOOD
B.COM PART III SEM III	ENGLISH	73	65	89.04	4	VERY GOOD
	MARATHI	73	70	95.89	4	VERY GOOD
	COMPANY ACCOUNT	73	73	100	4	VERY GOOD
	BUSINESS MATHEMATICS	73	62	84.93	4	VERY GOOD
	AUDITING	73	72	98.63	4	VERY GOOD
	MONITORIAL SYSTEM	73	71	97.26	4	VERY GOOD
	INFORMATION TECHNOLOGY & BUSINESS DATA PROCESSING SING-1	73	73	100	4	VERY GOOD
B.COM PART IV SEM IV	ENGLISH	68	32	47.05	2	SATISFACTORY
	MARATHI	68	63	92.64	4	VERY GOOD
	CORPORATE ACCOUNTING	68	32	47.05	2	SATISFACTORY

	<b>BUSINESS STATISTICS</b>	68	28	41.17	2	SATISFACTORY
	<b>INCOME TAX</b>	68	20	29.41	2	SATISFACTORY
	<b>INDIAN FINANCIAL SYSTEM</b>	68	52	76.47	4	VERY GOOD
	<b>INFORMATION TECHNOLOGY &amp; BUSINESS DATA PROCESSING -2</b>	68	62	91.17	4	VERY GOOD
B.COM PART III SEM V	<b>ENGLISH</b>	60	60	100	4	VERY GOOD
	<b>MARATHI</b>	60	59	98.33	4	VERY GOOD
	<b>COST ACCOUNTING</b>	60	60	100	4	VERY GOOD
	<b>BUSINESS ENVIRONMENT</b>	60	60	100	4	VERY GOOD
	<b>BUSINESS REGULATORY</b>	60	60	100	4	VERY GOOD
	<b>INDIAN INSURANCE SYSTEM-I</b>	60	60	100	4	VERY GOOD
	<b>INDIAN BANKING SYSTEM-I</b>	60	60	100	4	VERY GOOD
B.COM PART III SEM VI	<b>ENGLISH</b>	59	40	67.79	3	GOOD
	<b>MARATHI</b>	59	53	89.83	4	VERY GOOD
	<b>MANAGEMENT ACCOUNTING</b>	59	25	42.37	2	SATISFACTORY
	<b>ECONOMICS OF DEVELOPMENT</b>	59	45	76.27	4	VERY GOOD
	<b>COMPANY LAW</b>	59	35	59.32	3	GOOD
	<b>INDIAN INSURANCE SYSTEM-II</b>	59	48	81.35	4	VERY GOOD
	<b>INDIAN BANKING SYSTEM-II</b>	59	48	81.35	4	VERY GOOD
M.COM I SEMI	<b>MANAGERIAL ECONOMICS</b>	11	11	100	4	VERY GOOD
	<b>SERVICES MARKETING &amp; CRM</b>	11	11	100	4	VERY GOOD
	<b>ADVANCED FINANCIAL ACCOUNTING</b>	11	09	81.81	4	VERY GOOD
	<b>BANKING &amp; INSURANCE</b>	11	11	100	4	VERY GOOD
M.COM I SEMII	<b>ACCOUNTING FOR MANAGEMENT</b>	15	02	13.33	1	UNSATISFACTORY
	<b>STRATEGIC MANAGEMENT</b>	15	02	13.33	1	UNSATISFACTORY
	<b>MANAGEMENT CONCEPT &amp; OB</b>	15	13	86.66	4	VERY GOOD
	<b>COMPUTER APPLICATION FOR BUSINESS</b>	15	10	66.66	3	GOOD
M.COM II SEMIII	<b>RESEARCH METHODOLOGY</b>	11	06	54.54	3	GOOD
	<b>STATISTICAL ANALYSIS</b>	11	11	100	4	VERY GOOD
	<b>CORPORATE TAX &amp; MANAGEMENT</b>	11	08	72.72	3	GOOD
	<b>E-COMMERCE &amp; LEGAL SECURITY</b>	11	08	72.72	3	GOOD

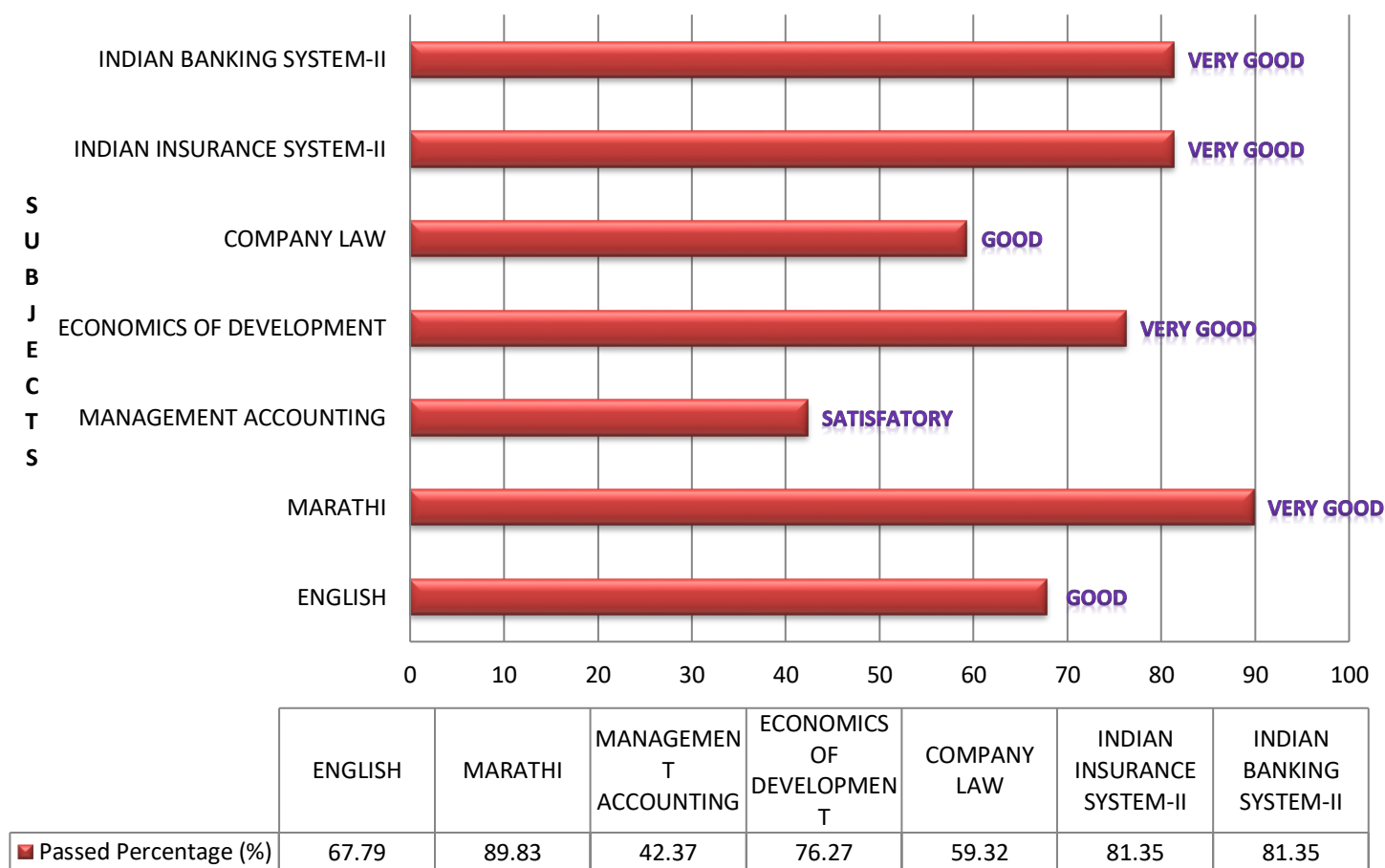


M.COM II SEMIV	ENTREPRENEURSHIP AND SKILL DEVELOPMENT	13	13	100	4	VERY GOOD
	INTERNATIONAL FINANCING	13	08	61.53	3	GOOD
	SALES AND DISTRIBUTION MANAGEMENT	13	10	76.92	4	VERY GOOD
	COOPERATIVE MANAGEMENT	<b>13</b>	12	<b>92.30</b>	<b>4</b>	VERY GOOD

**COURSE OUTCOME ATTAINMENT 2021-2022**  
**DEPARMENT OF COMMERCE**  
**BACHELOR OF COMMERCE**

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
B.COM PART III SEMVI	ENGLISH	67.79	3	GOOD
	MARATHI	89.83	4	VERY GOOD
	MANAGEMENT ACCOUNTING	42.37	2	SATISFACTORY
	ECONOMICS OF DEVELOPMENT	76.27	4	VERY GOOD
	COMPANY LAW	59.32	3	GOOD
	INDIAN INSURANCE SYSTEM-II	81.35	4	VERY GOOD
	INDIAN BANKING SYSTEM-II	81.35	4	VERY GOOD

## COURSE OUTCOME ATTAINMENT



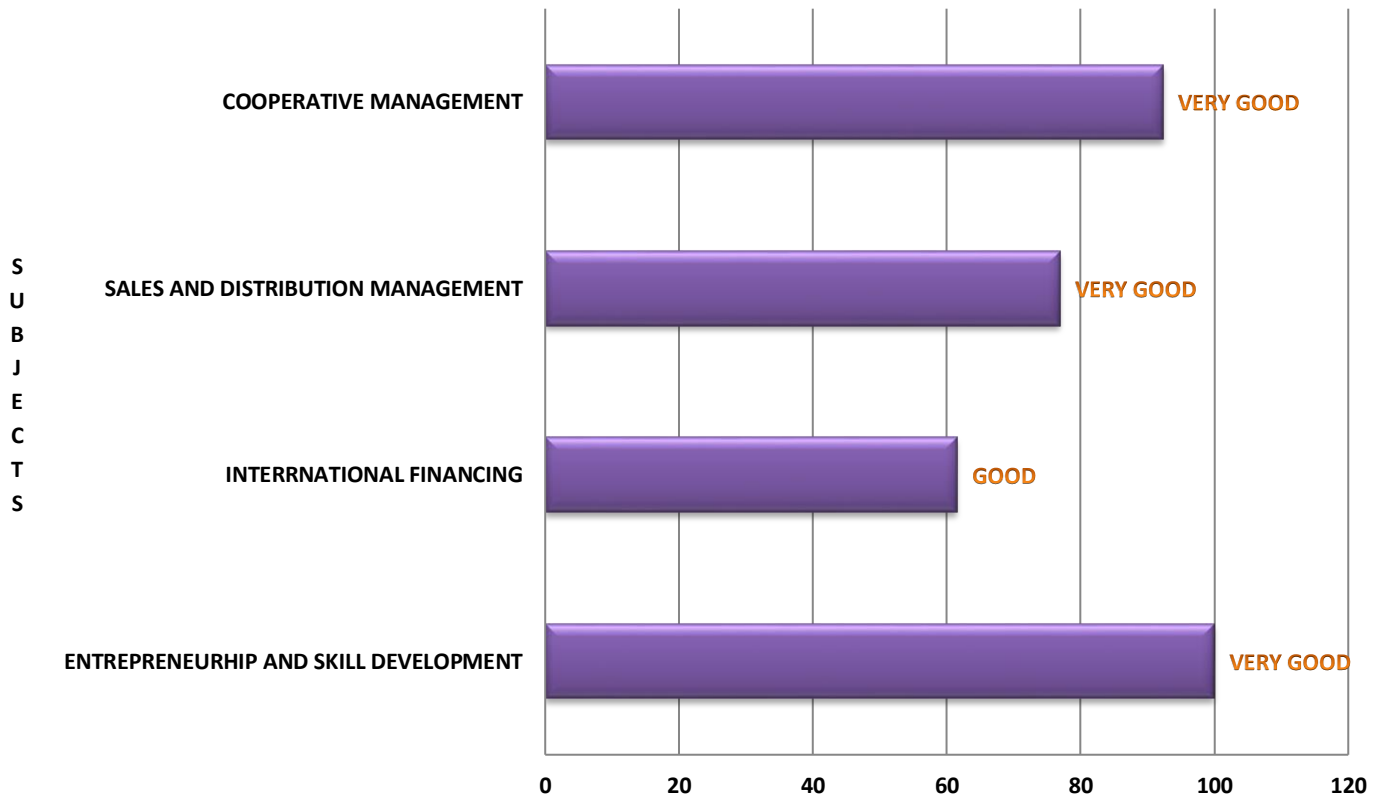
## COURSE OUTCOME ATTAINMENT 2021-2022

### DEPARTMENT OF COMMERCE

### MASTER OF COMMERCE

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
M.COM II SEM IV	ENTREPRENEURSHIP AND SKILL DEVELOPMENT	100	4	VERY GOOD
	INTERNATIONAL FINANCING	61.53	3	GOOD
	SALES AND DISTRIBUTION MANAGEMENT	76.92	4	VERY GOOD
	COOPERATIVE MANAGEMENT	92.30	4	VERY GOOD

## COURSE OUTCOME ATTAINMENT



	ENTREPRENEURSHIP AND SKILL DEVELOPMENT	INTERNATIONAL FINANCING	SALES AND DISTRIBUTION MANAGEMENT	COOPERATIVE MANAGEMENT
Passed Percentage (%)	100	61.53	76.92	92.3

# COURSE OUTCOME ATTAINMENT 2021-2022

## ARTS DEPARTMENT

COURSE NAME	NAME OF SUBJECT	NO. OF STUDENTS APPREADFOR EXAM	NO. OF STUDENTS PASSED INTHE SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
BA SEM-I	ENGLISH(B.A.SEM-I)	133	128	96.24	4	VERY GOOD
	MARATHI(SEM-I)	133	124	93	4	VERY GOOD
	MARATHI LITERATURE (SEM-I)	19	15	79	4	VERY GOOD
	ECONOMICS(SEM-I)	57	51	89.47	4	VERY GOOD
	HOME ECONOMICS(B.A.SEM-I)	66	65	98.48	4	VERY GOOD
	POLITICALSCIENCE(SEM-I)	83	81	97.59	4	VERY GOOD
	HISTORY(SEM-I)	68	66	97	4	VERY GOOD
	GEOGRAPHY(SEM-I)	116	116	100	4	VERY GOOD
	STATISTICS(SEM-I)	22	22	100	4	VERY GOOD
BA SEM-II	ENGLISH (B.A. SEM-II)	65	23	35.38	2	SATISFACTORY
	MARATHI ( SEM-II)	121	71	59	3	GOOD
	MARATHI LITERATURE (SEM-II)	14	02	14	1	UNSATISFACTORY
	ECONOMICS (SEM-II)	47	21	44.68	2	SATISFACTORY
	HOME ECONOMICS(B.A. SEM-II)	65	25	38.46	2	SATISFACTORY
	POLITICAL SCIENCE (SEM-II)	65	23	35.38	2	SATISFACTORY
	HISTORY(SEM-II)	59	16	27.10	2	SATISFACTORY
	GEOGRAPHY(SEM-II)	100	54	54	4	GOOD
	STATISTICS(SEM-II)	18	15	83.33	4	VERY GOOD
BA SEM-III	ENGLISH (B.A. SEM-III)	98	96	97.95	4	VERY GOOD
	MARATHI ( SEM-III)	103	99	96	4	VERY GOOD
	MARATHI LITERATURE (SEM-III)	17	15	88	4	VERY GOOD
	ECONOMICS (SEM-III)	36	30	83.33	4	VERY GOOD
	HOME ECONOMICS(B.A. SEM-III)	45	44	98	4	VERY GOOD
	POLITICAL SCIENCE (SEM-III)	65	62	95.38	4	VERY GOOD
	HISTORY(SEM-III)	51	48	98	4	VERY GOOD
	GEOGRAPHY(SEM-III)	74	74	100	4	VERY GOOD
	STATISTICS(SEM-III)	22	22	100	4	VERY GOOD

BA SEM-IV	ENGLISH (B.A. SEM-IV)	95	26	27.38	2	SATISFACTORY
	MARATHI ( SEM-IV)	94	52	55.31	3	GOOD
	MARATHI LITERATURE (SEM-IV)	16	03	19	1	UNSATISFACTORY
	ECONOMICS (SEM-IV)	33	06	18.18	1	UNSATISFACTORY
	HOME ECONOMICS(B.A. SEM-IV)	44	24	55	3	GOOD
	POLITICAL SCIENCE (SEM-IV)	60	26	43.33	2	SATISFACTORY
	HISTORY(SEM-IV)	47	16	34.00	2	SATISFACTORY
	GEOGRAPHY(SEM-IV)	65	18	27.69	2	SATISFACTORY
	STATISTICS(SEM-IV)	19	15	78.94	4	VERY GOOD
BA SEM-V	ENGLISH (B.A. SEM-V)	102	102	100	4	VERY GOOD
	MARATHI ( SEM-V)	102	102	100	4	VERY GOOD
	MARATHI LITERATURE (SEM-V)	19	18	95	4	VERY GOOD
	ECONOMICS (SEM-V)	35	35	100	4	VERY GOOD
	HOME ECONOMICS(SEM-V)	52	52	100	4	VERY GOOD
	POLITICAL SCIENCE (SEM-V)	100	100	100	4	VERY GOOD
	HISTORY(SEM-V)	41	41	100	4	VERY GOOD
	GEOGRAPHY(SEM-V)	72	72	100	4	VERY GOOD
	STATISTICS(SEM-V)	09	08	88.89	4	VERY GOOD
BA SEM-VI	ENGLISH (B.A. SEM-VI)	98	44	44.89	2	SATISFACTORY
	MARATHI ( SEM-VI)	95	89	94	4	VERY GOOD
	MARATHI LITERATURE (SEM-VI)	16	04	25	1	UNSATISFACTORY
	ECONOMICS (SEM-VI)	35	13	37.14	2	SATISFACTORY
	HOME ECONOMICS(B.A. SEM-VI)	51	49	96	4	VERY GOOD
	POLITICAL SCIENCE (SEM-VI)	72	45	62.5	3	GOOD
	HISTORY(SEM-VI)	37	18	48.60	2	SATISFACTORY
	GEOGRAPHY(SEM-VI)	68	66	97.50	4	VERY GOOD
	STATISTICS(SEM-VI)	09	08	88.89	4	VERY GOOD

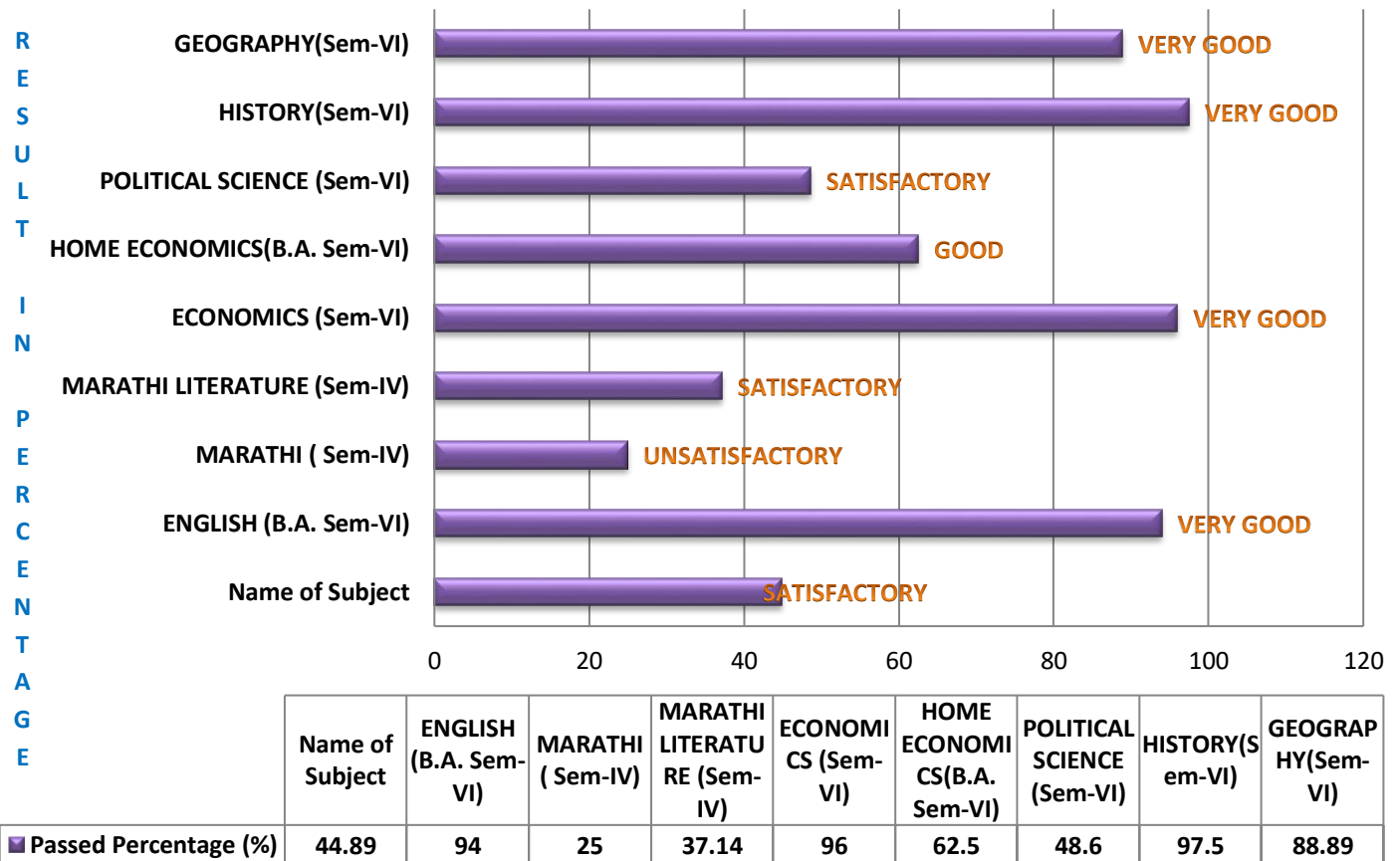
## COURSE OUTCOME ATTAINMENT 2021-2022

### DEPARTMENT OF ARTS

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
B.A. SEM-VI	ENGLISH (B.A. SEM-VI)	44.89	2	SATISFACTORY
	MARATHI ( SEM-IV)	94	4	VERY GOOD
	MARATHI LITERATURE (SEM-IV)	25	1	UNSATISFACTORY
	ECONOMICS (SEM-VI)	37.14	2	SATISFACTORY
	HOME ECONOMICS(B.A. SEM-VI)	96	4	VERY GOOD
	POLITICAL SCIENCE (SEM-VI)	62.5	3	GOOD
	HISTORY(SEM-VI)	48.60	2	SATISFACTORY
	GEOGRAPHY(SEM-VI)	97.50	4	VERY GOOD
	STATISTICS(SEM-VI)	88.89	4	VERY GOOD

## COURSE OUTCOME ATTAINMENT 2021-2022

### DEPARTMENT OF ARTS



**COURSE OUTCOME ATTAINMENT 2021-2022**  
**DEPARTMENT OF SCIENCE**

COURSE NAME	NAME OF SUBJECT	NO. OF STUDENTS APPEAR FOR EXAM	NO. OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
B.S.C. SEM-I	B.SC.I SEM-I ENGLISH	66	63	95.45	4	VERYGOOD
	B.SC.I SEM-I PHYSICS	26	26	100	4	VERYGOOD
	B.SC.I SEM-I CHEMISTRY	60	60	100	4	VERYGOOD
	B.SC.I SEM-I MATHEMATICS	18	18	100	4	VERYGOOD
	B.SC.I SEM-I COMPUTER SCIENCE	24	23	95.83	4	VERYGOOD
	B.SC.I SEM-I BOTANY	38	37	97.36	4	VERYGOOD
B.S.C. SEM-II	B.SC. I SEM II ENGLISH	55	47	85.45	4	VERYGOOD
	B.SC. I SEM II PHYSICS	20	13	65	3	GOOD
	B.SC. I SEM II CHEMISTRY	50	35	70	3	GOOD
	B.SC. I SEM II MATHEMATICS	17	13	76.47	4	VERY GOOD
	B.SC. I SEM II COMPUTER SCIENCE	25	24	96	4	VERY GOOD
	B.SC. I SEM II BOTANY	33	20	60.60	3	GOOD
B.S.C. SEM-III	B.SC. I SEM III PHYSICS	45	45	100	4	VERY GOOD
	B.SC. I SEM III CHEMISTRY	76	75	98.68	4	VERY GOOD
	B.SC. I SEM III MATHEMATICS	37	37	100	4	VERY GOOD
	B.SC. I SEM III COMPUTER SCIENCE	21	21	100	4	VERY GOOD
	B.SC. I SEM III BOTANY	31	22	62.85	3	GOOD
B.S.C. SEM-IV	B.SC. I SEM IV PHYSICS	44	26	59.09	3	GOOD
	B.SC. I SEM IV CHEMISTRY	72	39	54.16	3	GOOD
	B.SC. I SEM IV MATHEMATICS	37	26	70.27	3	GOOD
	B.SC. I SEM IV COMPUTER SCIENCE	20	13	65	3	GOOD

	B.SC. I SEM IV BOTANY	42	24	57.14	3	GOOD
B.S.C. SEM-V	B.SC. I SEM V PHYSICS	61	61	100	4	VERY GOOD
	B.SC. I SEM V CHEMISTRY	85	85	100	4	VERY GOOD
	B.SC. I SEM V MATHEMATICS	56	56	100	4	VERY GOOD
	B.SC. I SEM V COMPUTER SCIENCE	22	22	100	4	VERY GOOD
	B.SC. I SEM V BOTANY	41	41	100	4	VERY GOOD
B.S.C. SEM-VI	B.SC. I SEM VI PHYSICS	60	37	61.66	3	GOOD
	B.SC. I SEM VI CHEMISTRY	82	41	50	3	GOOD
	B.SC. I SEM VI MATHEMATICS	55	39	70.91	3	GOOD
	B.SC. I SEM VI COMPUTER SCIENCE	21	14	63.64	3	GOOD
	B.SC. I SEM VI BOTANY	38	27	71.05	3	GOOD
MSC SEM I CHEMISTRY	INORGANIC CHEMISTRY	30	30	100	4	VERY GOOD
	ORGANIC CHEMISTRY-I	30	30	100	4	VERY GOOD
	PHYSICAL CHEMISTRY-I	30	30	100	4	VERY GOOD
	MODERN METHODS OF SEPARATION	30	30	100	4	VERY GOOD
MSC SEM II	CO-ORDINATION CHEMISTRY	30	1	3.33	1	UNSATISFACTORY
	ORGANIC CHEMISTRY-II	30	14	46.66	2	SATISFACTORY
	PHYSICAL CHEMISTRY-II	30	12	40	2	SATISFACTORY
	OPTICAL METHOD AND ENV. CHEMISTRY	30	17	56.66	3	GOOD
MSC SEM III	SPECTROSCOPY-I	30	29	96.66	4	VERY GOOD
	ANALYTICAL CHEMISTRY	30	30	100	4	VERY GOOD
	ORGANIC SYNTHESIS-I	30	30	100	4	VERY GOOD
	NATURAL PRODUCT- I	29	29	100	4	VERY GOOD
MSC SEM IV	SPECTROSCOPY-II	29	29	100	4	VERY GOOD
	GENERAL ANALYTICAL CHEMISTRY	30	20	66.66	3	GOOD
	ORGANIC SYNTHESIS-II	30	30	100	4	VERY GOOD
	NATURAL PRODUCT-II	30	18	60	3	GOOD
MSC SEM I MATHEMATICS	REAL ANALYSIS	47	47	100	4	VERY GOOD
	AEC ON REAL ANALYSIS	47	47	100	4	VERY GOOD
	ADV.ABSTRACT ALGEBRA	47	47	100	4	VERY GOOD
	COMPLEX ANALYSIS	47	47	100	4	VERY GOOD
	TOPOLOGY-I	47	47	100	4	VERY GOOD



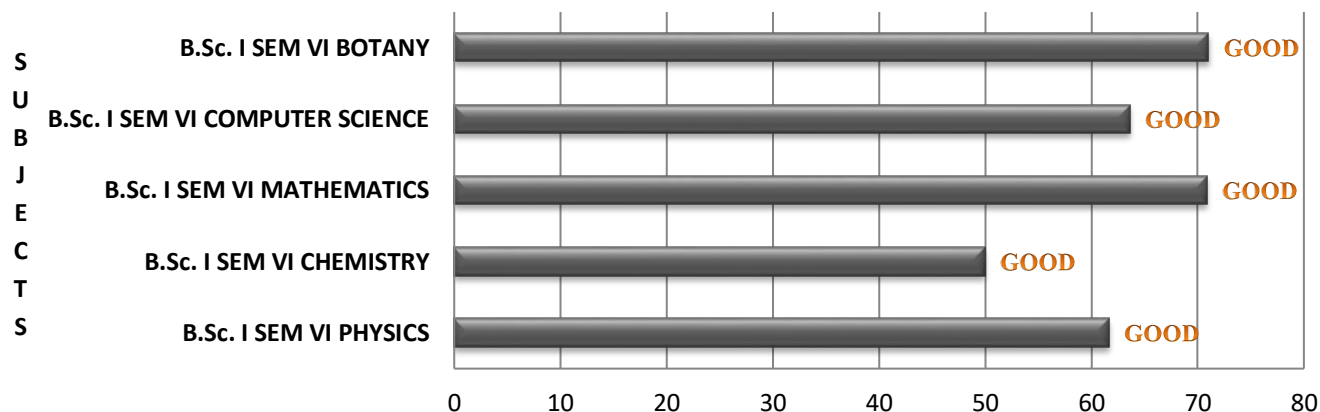
	<b>DIFFERENTIAL GEOMETRY</b>	47	47	100	4	<b>VERY GOOD</b>
<b>MSC SEM II</b>	<b>MEASURE AND INTEGRATION THEORY</b>	47	30	63.83	3	<b>GOOD</b>
	<b>ADV. LINEAR ALGEBRA &amp; FIELD THEORY</b>	47	21	44.68	2	<b>SATISFACTOTY</b>
	<b>INTEGRAL EQUATION</b>	47	42	89.36	4	<b>VERY GOOD</b>
	<b>TOPOLOGY-II</b>	47	44	93.61	4	<b>VERY GOOD</b>
	<b>RIEMANNIAN GEOMETRY</b>	47	45	95.74	4	<b>VERY GOOD</b>
<b>MSC SEM III</b>	<b>FUNCTIONAL ANALYSIS-I</b>	60	60	100	4	<b>VERY GOOD</b>
	<b>ADVANCED MECHANICS</b>	60	60	100	4	<b>VERY GOOD</b>
	<b>OPERATIONS RESEARCH</b>	60	60	100	4	<b>VERY GOOD</b>
	<b>GENERAL RELATIVITY</b>	60	60	100	4	<b>VERY GOOD</b>
	<b>FLUID DYNAMICS-I</b>	60	60	100	4	<b>VERY GOOD</b>
<b>MSC SEM IV</b>	<b>FUNCTIONAL ANALYSIS-II</b>	61	34	55.74	3	<b>GOOD</b>
	<b>PARTIAL DIFF. EQUATIONS</b>	61	23	37.70	2	<b>SATISFACTOTY</b>
	<b>NUMERICAL ANALYSIS</b>	61	33	54.10	3	<b>GOOD</b>
	<b>RELATIVISTIC COSMOLOGY</b>	61	57	93.44	4	<b>VERY GOOD</b>
	<b>FLUID DYNAMICS-II</b>	61	52	85.25	4	<b>VERY GOOD</b>

## COURSE OUTCOME ATTAINMENT 2021-2022

### DEPARTMENT OF SCIENCE

<b>DEGREE</b>	<b>NAME OF SUBJECT</b>	<b>PASSED PERCENTAGE(%)</b>	<b>CO ATTAINMENT LEVEL</b>	<b>GRADE</b>
<b>B.S.C.</b>	<b>B.Sc. I SEM VI PHYSICS</b>	61.66	3	<b>GOOD</b>
	<b>B.Sc. I SEM VI CHEMISTRY</b>	50	3	<b>GOOD</b>
	<b>B.Sc. I SEM VI MATHEMATICS</b>	70.91	3	<b>GOOD</b>
	<b>B.Sc. I SEM VI COMPUTER SCIENCE</b>	63.64	3	<b>GOOD</b>
	<b>B.Sc. I SEM VI BOTANY</b>	71.05	3	<b>GOOD</b>

## COURSE OUTCOME ATTAINMENT DEPARTMENT OF SCIENCE



	B.Sc. I SEM VI PHYSICS	B.Sc. I SEM VI CHEMISTRY	B.Sc. I SEM VI MATHEMATICS	B.Sc. I SEM VI COMPUTER SCIENCE	B.Sc. I SEM VI BOTANY
Passed Percentage (%)	61.66	50	70.91	63.64	71.05

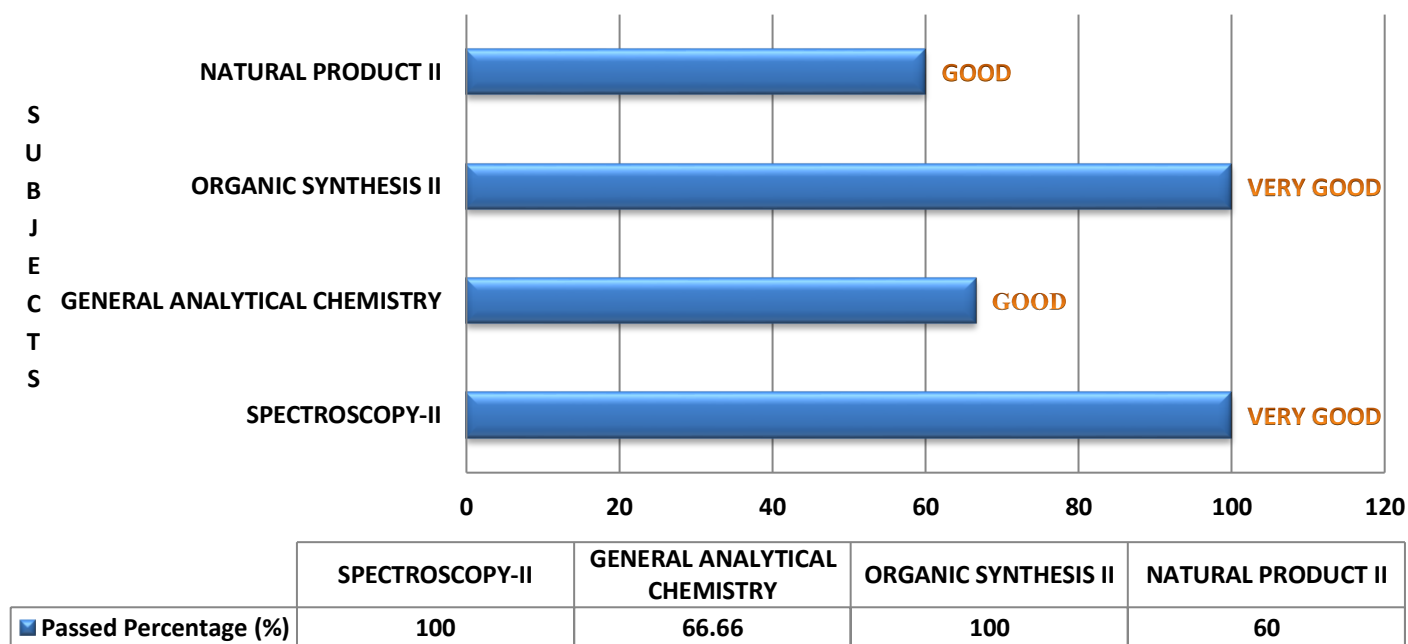
## COURSE OUTCOME ATTAINMENT 2021-22 DEPARTMENT OF SCIENCE M.SC CHEMISTRY

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
MSC CHEMISTRY	SPECTROSCOPY-II	100	4	VERY GOOD
	GENERAL ANALYTICAL CHEMISTRY	66.66	3	GOOD
	ORGANIC SYNTHESIS-II	100	4	VERY GOOD
	NATURAL PRODUCT-II	60	3	GOOD

# COURSE OUTCOME ATTAINMENT

## DEPARTMENT OF SCIENCE

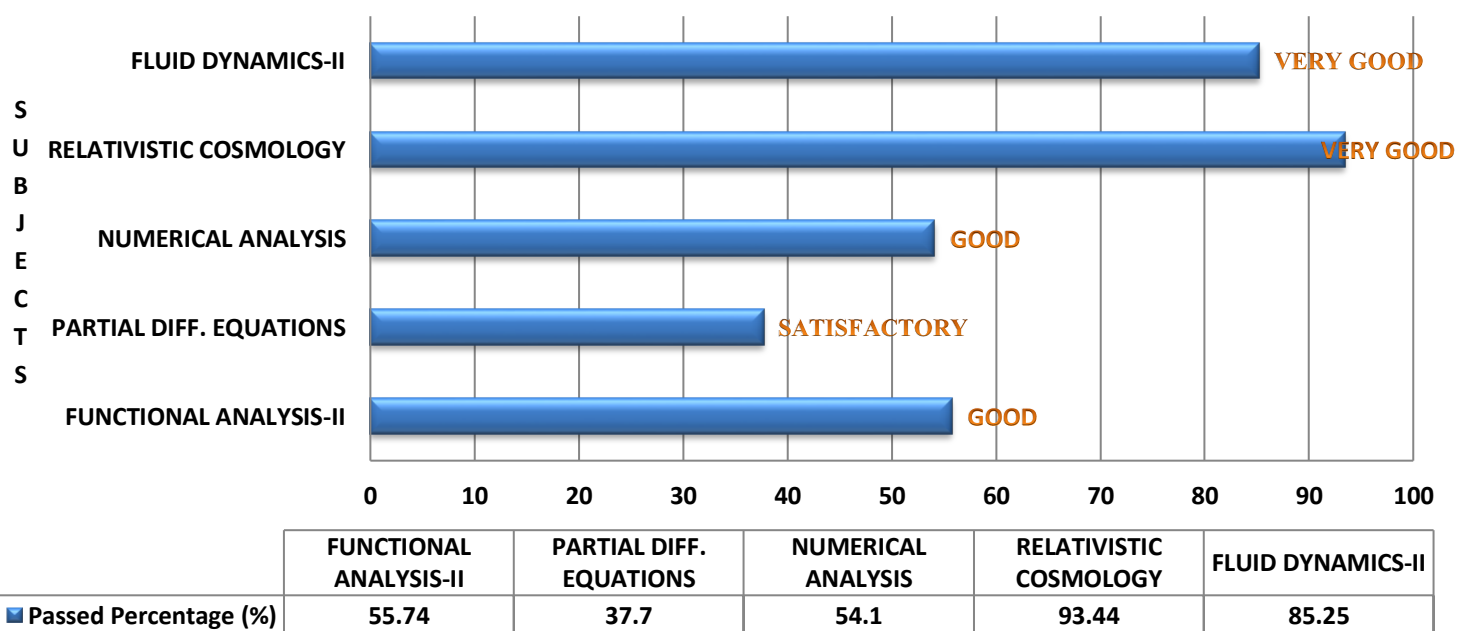
### M.SC CHEMISTRY



**COURSE OUTCOME ATTAINMENT 2021-22**  
**DEPARTMENT OF SCIENCE**  
**M.SC MATHEMATICS**

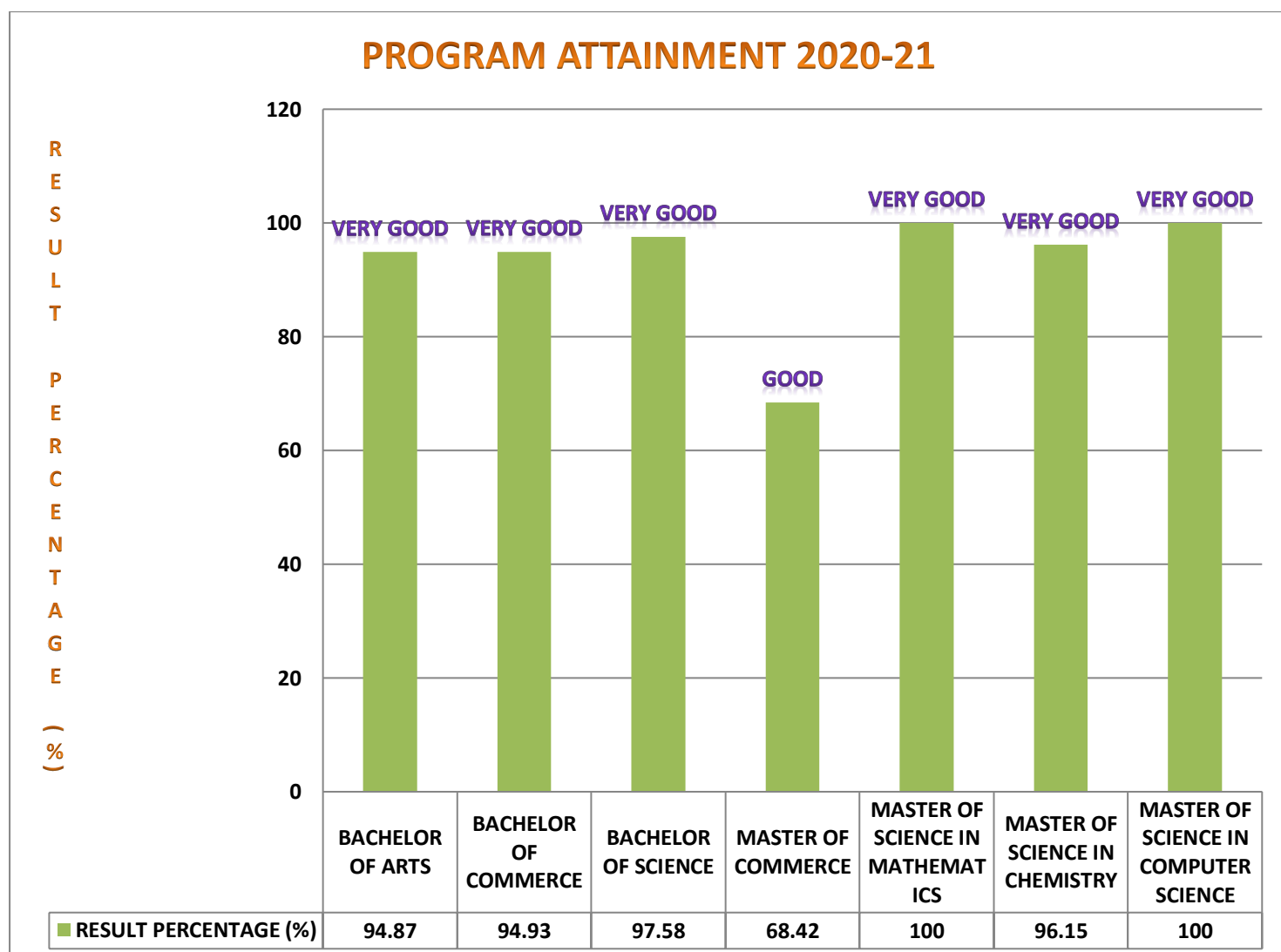
DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
MSC MATHEMATICS	FUNCTIONAL ANALYSIS-II	55.74	3	GOOD
	PARTIAL DIFF. EQUATIONS	37.70	2	SATISFACTORY
	NUMERICAL ANALYSIS	54.10	3	GOOD
	RELATIVISTIC COSMOLOGY	93.44	4	VERY GOOD
	FLUID DYNAMICS-II	85.25	4	VERY GOOD

**COURSE OUTCOME ATTAINMENT**  
**DEPARTMENT OF SCIENCE**  
**M.SC MATHEMATICS**



## PROGRAM ATTAINMENT:2020-21

PROGRAM OUTCOME ATTAINMENT						
YEAR	NAME OF THE EXAMINATION	NO. OF STUDENTS APPEARED FOR EXAM	NO. OF STUDENTS PASSED IN THE EXAM	RESULT PERCENTAGE(%)	PO ATTAINMENT LEVEL	GRADE
2020-21	BACHELOR OF ARTS	78	74	94.87	4	VERYGOOD
	BACHELOR OF COMMERCE	79	75	94.93	4	VERYGOOD
	BACHELOR OF SCIENCE	124	121	97.58	4	VERYGOOD
	MASTER OF COMMERCE	19	13	68.42	3	GOOD
	MASTER OF SCIENCE IN MATHEMATICS	58	58	100	4	VERYGOOD
	MASTER OF SCIENCE IN CHEMISTRY	26	25	96.15	4	VERYGOOD
	MASTER OF SCIENCE IN COMPUTER SCIENCE	5	5	100	4	VERYGOOD



## PROGRAM SPECIFIC OUTCOME ATTAINMENT 2020-21

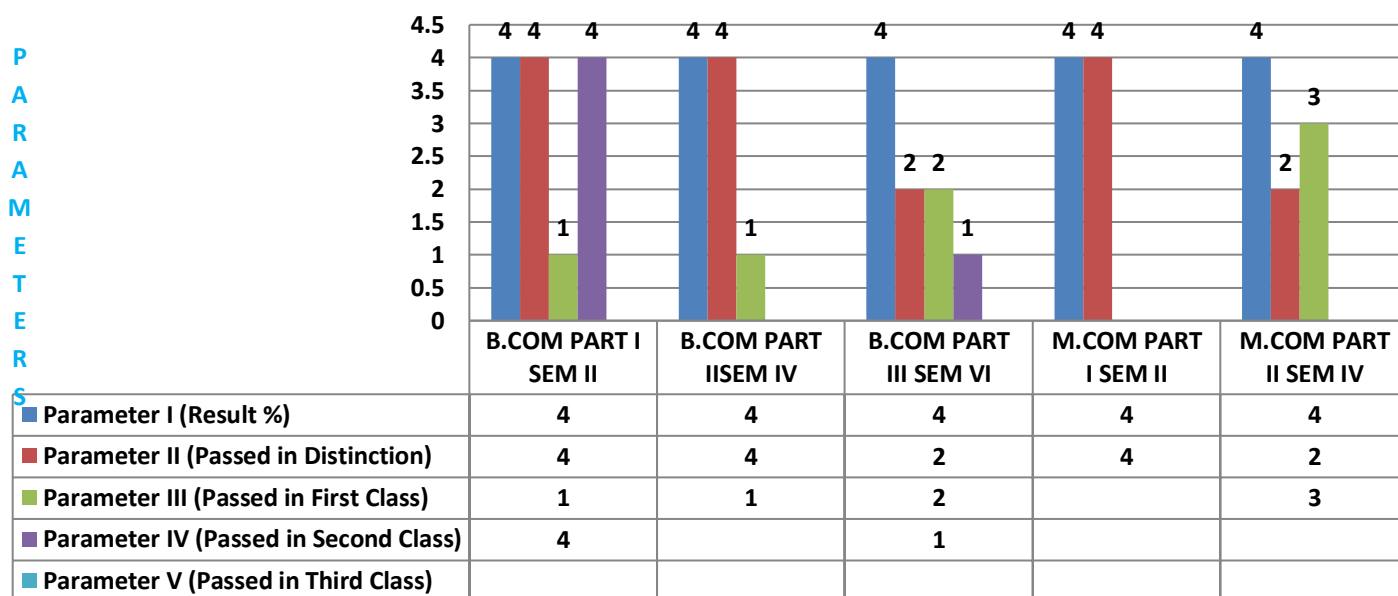
S.N.	NAME OF THE EXAMINATION	NO. OF STUDENTS APPEARING FOR EXAM	NO. OF STUDENTS PASSED IN THE EXAM	RESULT PERCENTAGE (%)	NO. OF STUDENTS IN PASS DISTINCTION	NO. OF STUDENTS IN PASS FIRST CLASS	NO. OF STUDENTS IN PASS SECOND CLASS	NO. OF STUDENTS IN PASS THIRD CLASS	NO. OF STUDENTS IN PASS DISTINCTION (%)	NO. OF STUDENTS IN PASS FIRST CLASS (%)	NO. OF STUDENTS IN PASS SECOND CLASS (%)	NO. OF STUDENTS IN PASS THIRD CLASS (%)	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
1	B.COM PART I SEM II	76	72	94.73	55	11	06	00	76.39	15.28	8.33	00	4	4	1	4		4	VERY GOOD
2	B.COM PART II SEM IV	63	63	100	60	03	00	00	95.25	4.76	00	00	4	4	1			3	GOOD
3	B.COM PART III SEM VI	79	75	94.94	32	28	15	00	42.67	37.33	20	00	4	2	2	1		3	GOOD
4	M.COM PART I SEM II	09	09	100	09	00	00	00	100	00	00	00	4	4				4	VERY GOOD
5	M.COM PART II SEM IV	16	13	81.25	00	08	05	00	38.67	61.53	00	00	4	2	3			3	GOOD
6	B.A. Part-I (Sem. II)	145	77	53.10	62	14	01	00	80.51	18.18	01.29	00	3	4	1	4		3	GOOD
7	B.A. Part-II (Sem. IV)	121	112	92.56	101	11	00	00	90.17	09.82	00	00	4	4	1			4	VERY GOOD
8	B.A. Part-III SEM VI	78	74	94.87	64	09	00	01	86.48	12.76	00	01.35	4	4	1		04	4	VERY GOOD
9	B.Sc. I SEM II	97	90	92.78	72	16	02	00	74.22	16.49	02.06	00	4	4	1	4		3	GOOD
10	B.Sc. II SEM IV	110	110	100	97	10	03	00	88.18	9.09	2.72	00	4	4	1	4		3	GOOD
11	B.Sc. III SEM VI	124	121	97.58	121	00	00	00	100	00	00	00	4					4	VERY GOOD
12	M.Sc. I SEM II MATHEMATICS	56	56	100	55	01	0	0	98.21	0.17		00	4	4	1			3	GOOD
13	M.Sc. I SEM IV MATHEMATICS	58	58	100	58	0	0	0	100			00	4	4				4	VERY GOOD
14	M.Sc. I SEM II CHEMISTRY	30	29	96.6	29	0	0	0	100			00	4	4				4	VERY GOOD
15	M.Sc. I SEM IV CHEMISTRY	26	25	96.15	19	6	0	0	76	24		00	4	4	1			3	GOOD

## PARAMETER WISE PROGRAM SPECIFIC OUTCOME ATTAINMENT(PSO)

### DEPARTMENT OF COMMERCE AND MANAGEMENT

NAME OF THE EXAMINATION	PARAMETER I (RESULT%)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.COMPART-I SEM-II	4	4	1	4	
B.COMPART-II SEM-IV	4	4	1		
B.COMPART-III SEM-VI	4	2	2	1	
M.COM PART-I SEM-II	4	4			
M.COM PART-II SEM-IV	4	2	3		

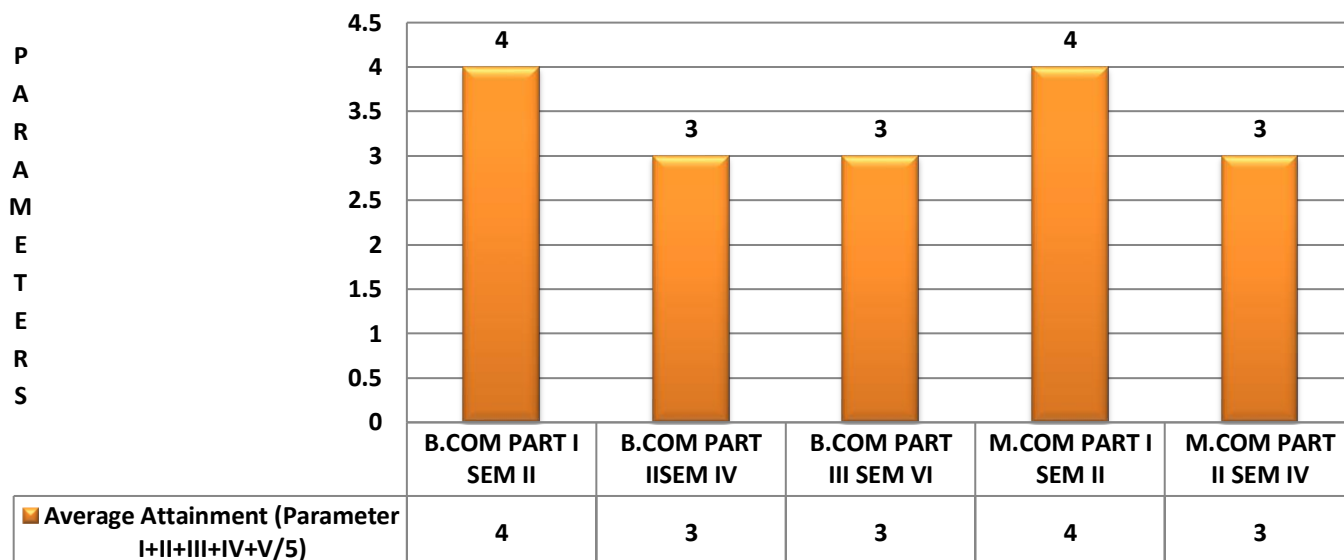
## PROGRAM SPECIFIC OUTCOME ATTAINMENT



## DEPARTMENT OF COMMERCE & MANAGEMENT

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.COMPART-I SEM-II	4	4	1	4		4	VERY GOOD
B.COMPART-II SEM-IV	4	4	1			3	GOOD
B.COMPART-III SEM-VI	4	2	2	1		3	GOOD
M.COM PART-I SEM-II	4	4				4	VERY GOOD
M.COM PART-II SEM-IV	4	2	3			3	GOOD

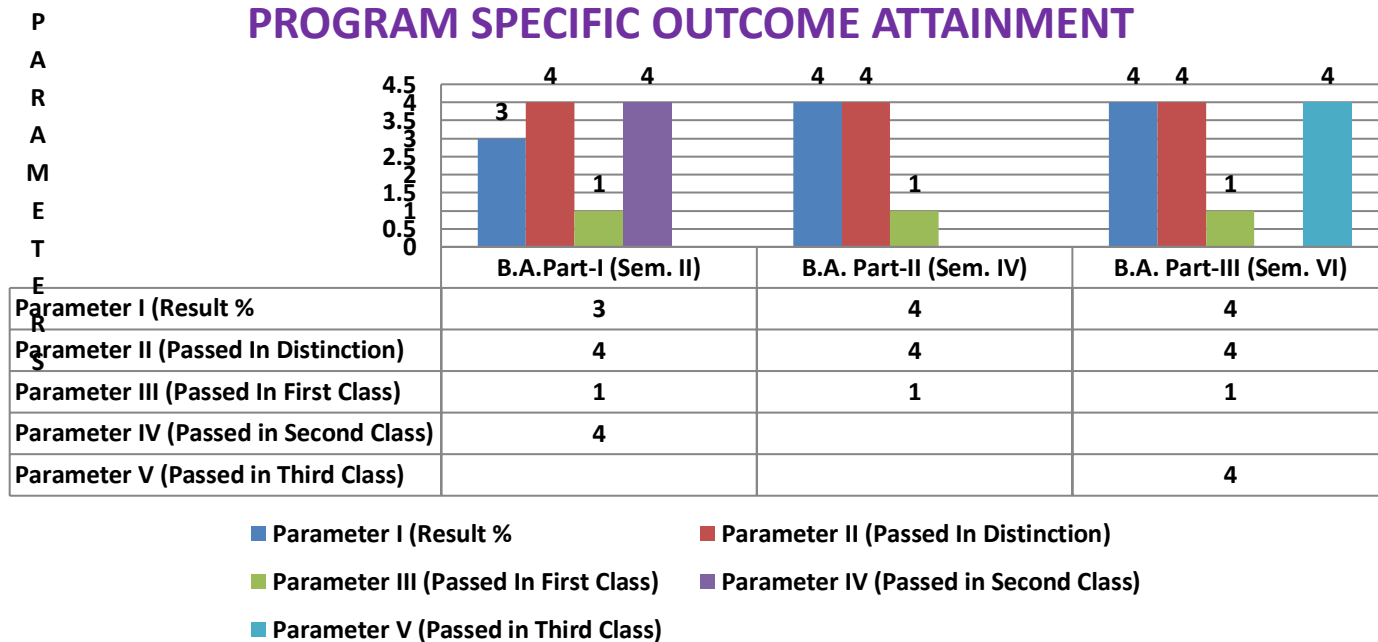
## AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)



## DEPARTMENT OF ARTS

NAME OF THE EXAMINATION	PARAMETER I (RESULT%)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.A.PART-I(SEM.II)	3	4	1	4	04
B.A.PART-II(SEM.IV)	4	4	1		
B.A.PART-III(SEM.VI)	4	4	1		

## PROGRAM SPECIFIC OUTCOME ATTAINMENT

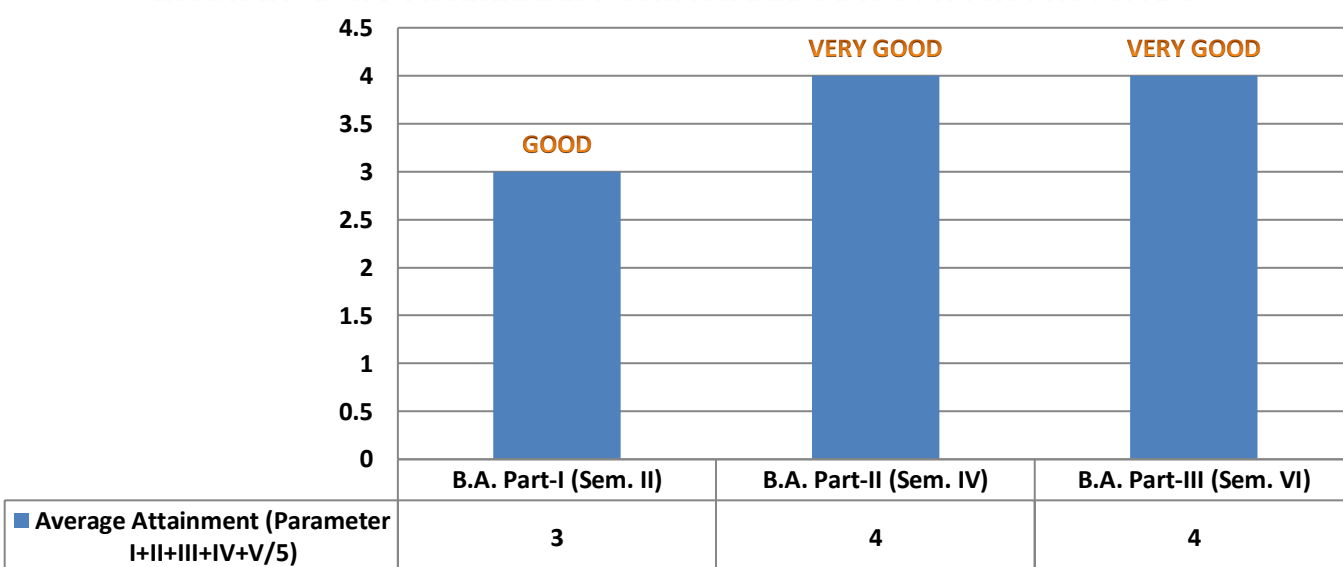




## ARTS DEPARTMENT

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.A.PART-I (SEM.II)	3	4	1	4	04	3	GOOD
B.A.PART-II(SEM.IV)	4	4	1			4	VERY GOOD
B.A.PART-III(SEM. VI)	4	4	1			4	VERY GOOD

### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)

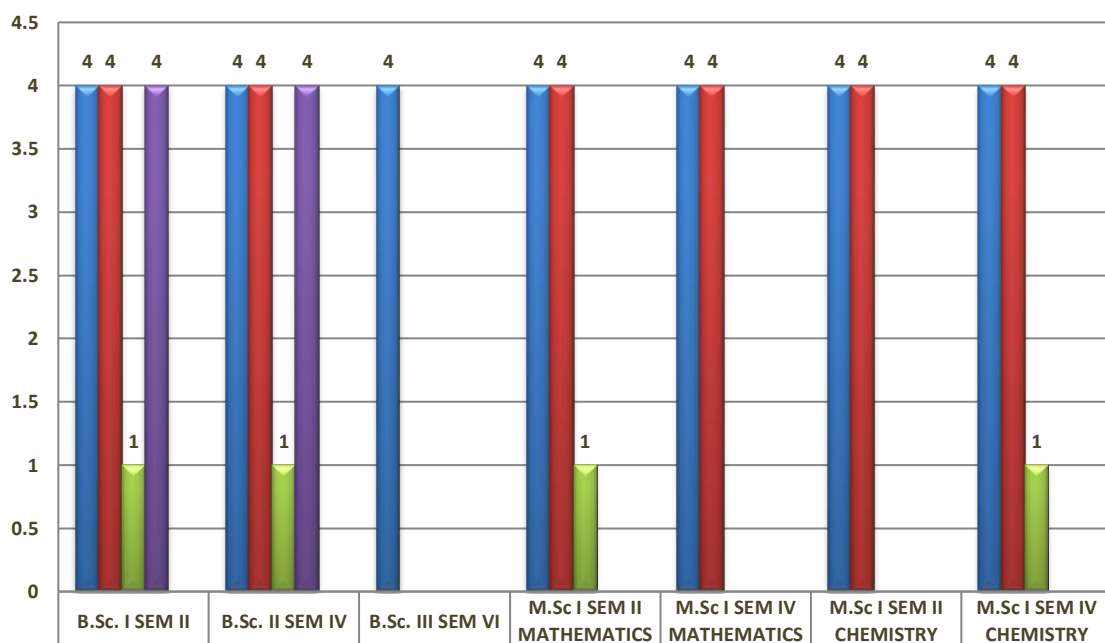


## PROGRAM SPECIFIC OUTCOME ATTAINMENT

### DEPARTMENT OF SCIENCE

NAME OF THE EXAMINATION	PARAMETER I (RESULT %)	PARAMETER II (PASSED INDISTINCTLY)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.SC. I SEM II	4	4	1	4	
B.SC. II SEM IV	4	4	1	4	
B.SC. III SEM VI	4				
M.SC I SEM II MATHEMATICS	4	4	1		
M.SC I SEM IV MATHEMATICS	4	4			
M.SC I SEM II CHEMISTRY	4	4			
M.SC I SEM IV CHEMISTRY	4	4	1		

### PROGRAM SPECIFIC OUTCOME ATTAINMENT

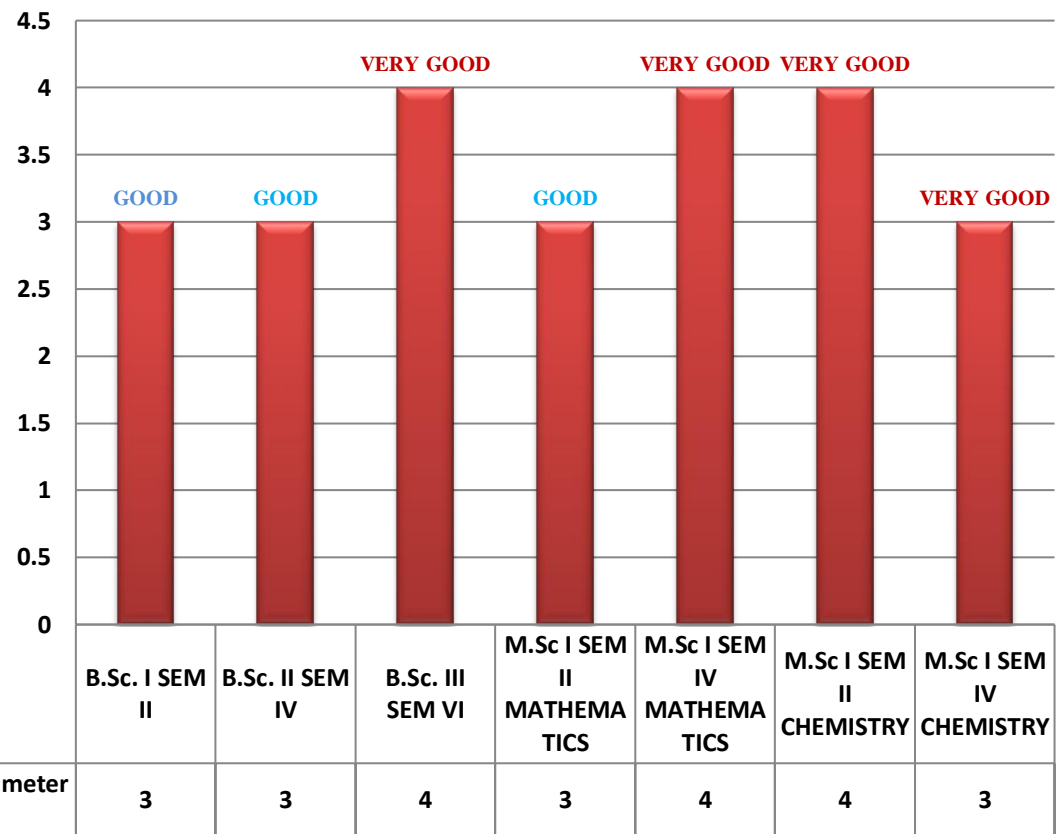


Parameter I (Result %)	4	4	4	4	4	4	4
Parameter II (Passed In Distinction)	4	4		4	4	4	4
Parameter III (Passed In First Class)	1	1		1			1
Parameter IV (Passed in Second Class)	4	4					
Parameter V (Passed in Third Class)							

### DEPARTMENT OF SCIENCE

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.Sc. I SEM II	4	4	1	4		3	GOOD
B.Sc. II SEM IV	4	4	1	4		3	GOOD
B.Sc. III SEM VI	4					4	VERY GOOD
M.Sc I SEM II MATHEMATICS	4	4	1			3	GOOD
M.Sc I SEM IV MATHEMATICS	4	4				4	VERY GOOD
M.Sc I SEM II CHEMISTRY	4	4				4	VERY GOOD
M.Sc I SEM IV CHEMISTRY	4	4	1			3	GOOD

## Average Attainment (Parameter I+II+III+IV+V/5)



**COURSE OUTCOME ATTAINMENT 2020-2021**  
**DEPARTMENT OF COMMERCE & MANAGEMENT**

<b>COURSE OUTCOME ATTAINMENT</b>						
S.N.	NAME OF SUBJECT	NO.OF STUDENTS APPEARED FOR EXAM	NO.OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
<b>B.COM PART I SEM I</b>	<b>ENGLISH</b>	71	65	91.55	4	<b>VERY GOOD</b>
	<b>MARATHI</b>	71	70	98.59	4	<b>VERY GOOD</b>
	<b>PRINCIPLES OF ECONOMICS</b>	71	68	95.77	4	<b>VERY GOOD</b>
	<b>ADVANCED ACCOUNTANCY</b>	71	70	98.59	4	<b>VERY GOOD</b>
	<b>PRINCIPLES OF BUSINESS ORGANISATION</b>	71	71	100	4	<b>VERY GOOD</b>
	<b>COMPUTER FUNDAMENTALS &amp; OPERATING SYSTEM-1</b>	71	70	98.59	4	<b>VERY GOOD</b>
<b>B.COM PART II SEM II</b>	<b>ENGLISH</b>	76	75	98.68	4	<b>VERY GOOD</b>
	<b>MARATHI</b>	76	75	98.68	4	<b>VERY GOOD</b>
	<b>BUSINESS ECONOMICS</b>	76	76	100	4	<b>VERY GOOD</b>
	<b>FINANCIAL ACCOUNTING</b>	76	76	100	4	<b>VERY GOOD</b>
	<b>PRINCIPLES OF BUSINESS MANAGEMENT</b>	76	76	100	4	<b>VERY GOOD</b>
	<b>COMPUTER FUNDAMENTALS &amp; OPERATING SYSTEM-2</b>	76	76	100	4	<b>VERY GOOD</b>
<b>B.COM PART III SEM III</b>	<b>ENGLISH</b>	65	65	100	4	<b>VERY GOOD</b>
	<b>MARATHI</b>	65	62	95.38	4	<b>VERY GOOD</b>
	<b>COMPANY ACCOUNT</b>	65	62	95.38	4	<b>VERY GOOD</b>
	<b>BUSINESS MATHEMATICS</b>	65	59	90.77	4	<b>VERY GOOD</b>
	<b>AUDITING</b>	65	64	98.46	4	<b>VERY GOOD</b>
	<b>MONITORIAL SYSTEM</b>	65	64	98.46	4	<b>VERY GOOD</b>
	<b>INFORMATION TECHNOLOGY &amp; BUSINESS DATA PROCESSING-1</b>	65	64	98.46	4	<b>VERY GOOD</b>
<b>B.COM PART II SEM I</b>	<b>ENGLISH</b>	63	63	100	4	<b>VERY GOOD</b>
	<b>ENGLISH</b>	63	63	100	4	<b>VERY GOOD</b>

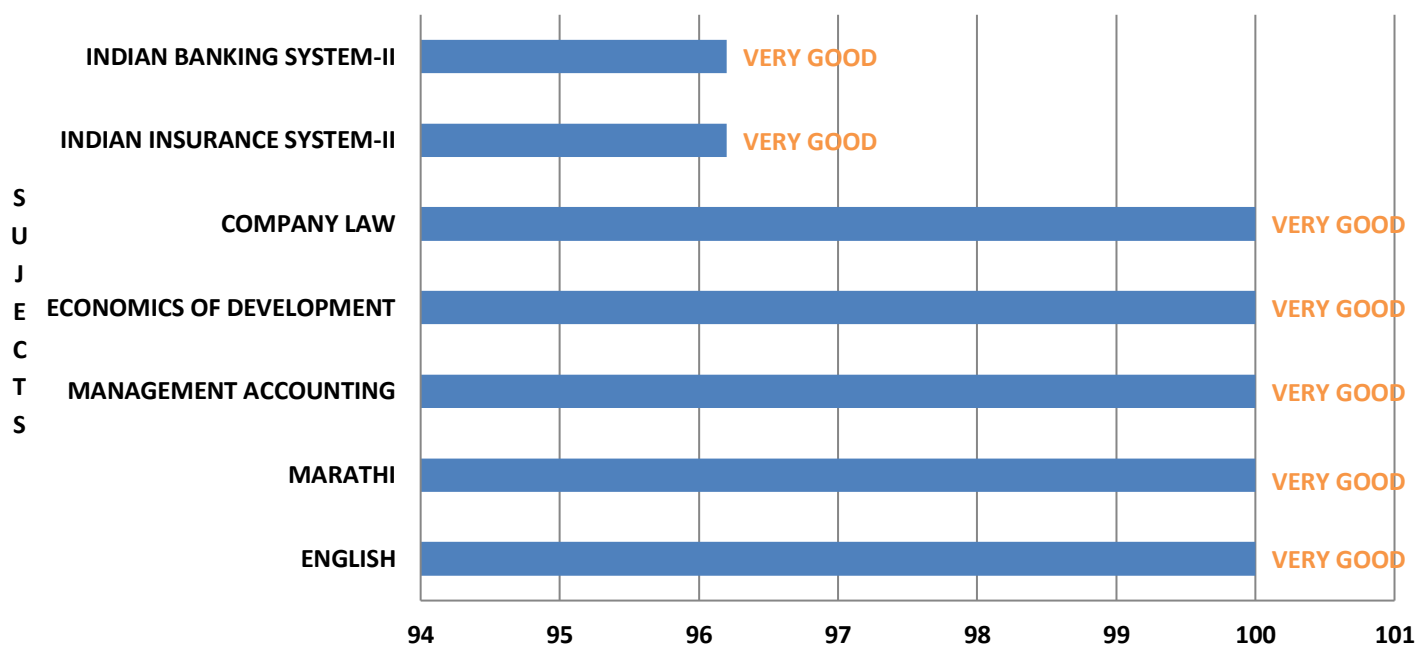
<b>V</b>	<b>MARATHI</b>					
	<b>CORPORATE ACCOUNTING</b>	63	63	100	4	<b>VERY GOOD</b>
	<b>BUSINESS STATISTICS</b>	63	63	100	4	<b>VERY GOOD</b>
	<b>INCOME TAX</b>	63	63	100	4	<b>VERY GOOD</b>
	<b>INDIAN FINANCIAL SYSTEM</b>	63	63	100	4	<b>VERY GOOD</b>
	<b>INFORMATION TECHNOLOGY &amp; BUSINESS DATA PROCESSING -12</b>	63	63	100	4	<b>VERY GOOD</b>
<b>B.COM PART IIISEM V</b>	<b>ENGLISH</b>	67	67	100	4	<b>VERY GOOD</b>
	<b>MARATHI</b>	67	67	100	4	<b>VERY GOOD</b>
	<b>COST ACCOUNTING</b>	67	67	100	4	<b>VERY GOOD</b>
	<b>BUSINESS ENVIRONMENT</b>	67	67	100	4	<b>VERY GOOD</b>
	<b>BUSINESS REGULATORY</b>	67	67	100	4	<b>VERY GOOD</b>
	<b>INDIAN INSURANCE SYSTEM-I</b>	67	67	100	4	<b>VERY GOOD</b>
	<b>INDIAN BANKING SYSTEM-I</b>	67	67	100	4	<b>VERY GOOD</b>
<b>B.COM PART IIISEM VI</b>	<b>ENGLISH</b>	79	79	100	4	<b>VERY GOOD</b>
	<b>MARATHI</b>	79	79	100	4	<b>VERY GOOD</b>
	<b>MANAGEMENT ACCOUNTING</b>	79	79	100	4	<b>VERY GOOD</b>
	<b>ECONOMICS OF DEVELOPMENT</b>	79	79	100	4	<b>VERY GOOD</b>
	<b>COMPANY LAW</b>	79	79	100	4	<b>VERY GOOD</b>
	<b>INDIAN INSURANCE SYSTEM-II</b>	79	76	96.20	4	<b>VERY GOOD</b>
	<b>INDIAN BANKING SYSTEM-II</b>	79	76	96.20	4	<b>VERY GOOD</b>
<b>M.COM I SEMI</b>	<b>MANAGERIAL ECONOMICS</b>	09	09	100	4	<b>VERY GOOD</b>
	<b>SERVICES MARKETING &amp; CRM</b>	09	09	100	4	<b>VERY GOOD</b>
	<b>ADVANCED FINANCIAL ACCOUNTING</b>	09	09	100	4	<b>VERY GOOD</b>
	<b>BANKING &amp; INSURANCE</b>	09	09	100	4	<b>VERY GOOD</b>
<b>M.COM I SEMII</b>	<b>ACCOUNTING FOR MANAGEMENT</b>	09	09	100	4	<b>VERY GOOD</b>
	<b>STRATEGIC MANAGEMENT</b>	09	09	100	4	<b>VERY GOOD</b>
	<b>MANAGEMENT CONCEPT &amp; OB</b>	09	09	100	4	<b>VERY GOOD</b>
	<b>COMPUTER APPLICATION FOR BUSINESS</b>	09	09	100	4	<b>VERY GOOD</b>
<b>M.COM II</b>	<b>RESEARCH METHODOLOGY</b>	19	19	100	4	<b>VERY GOOD</b>
	<b>STATISTICAL ANALYSIS</b>	19	18	94.74	4	<b>VERY GOOD</b>

<b>SEMIII</b>	<b>CORPORATE TAX &amp; MANAGEMENT</b>	19	17	89.47	4	<b>VERY GOOD</b>
	<b>E-COMMERCE &amp; LEGAL SECURITY</b>	19	19	100	4	<b>VERY GOOD</b>
<b>M.COM II SEMIV</b>	<b>ENTREPRENEURSHIP AND SKILL DEVELOPMENT</b>	19	18	94.74	4	<b>VERY GOOD</b>
	<b>INTERNATIONAL FINANCING</b>	19	18	94.74	4	<b>VERY GOOD</b>
	<b>SALES AND DISTRIBUTION MANAGEMENT</b>	19	13	68.42	3	<b>GOOD</b>
	<b>COOPERATIVE MANAGEMENT</b>	19	18	94.74	4	<b>VERY GOOD</b>

**COURSE OUTCOME ATTAINMENT 2020-2021**  
**DEPARMENT OF COMMERCE**  
**BACHELOR OF COMMERCE**

<b>DEGREE</b>	<b>NAME OF SUBJECT</b>	<b>PASSED PERCENTAGE(%)</b>	<b>CO ATTAINMENT LEVEL</b>	<b>GRADE</b>
<b>B.COM PART III SEMVI</b>	<b>ENGLISH</b>	100	4	<b>VERY GOOD</b>
	<b>MARATHI</b>	100	4	<b>VERY GOOD</b>
	<b>MANAGEMENT ACCOUNTING</b>	100	4	<b>VERY GOOD</b>
	<b>ECONOMICS OF DEVELOPMENT</b>	100	4	<b>VERY GOOD</b>
	<b>COMPANY LAW</b>	100	4	<b>VERY GOOD</b>
	<b>INDIAN INSURANCE SYSTEM-II</b>	96.20	4	<b>VERY GOOD</b>
	<b>INDIAN BANKING SYSTEM-II</b>	96.20	4	<b>VERY GOOD</b>

## COURSE OUTCOME ATTAINMENT



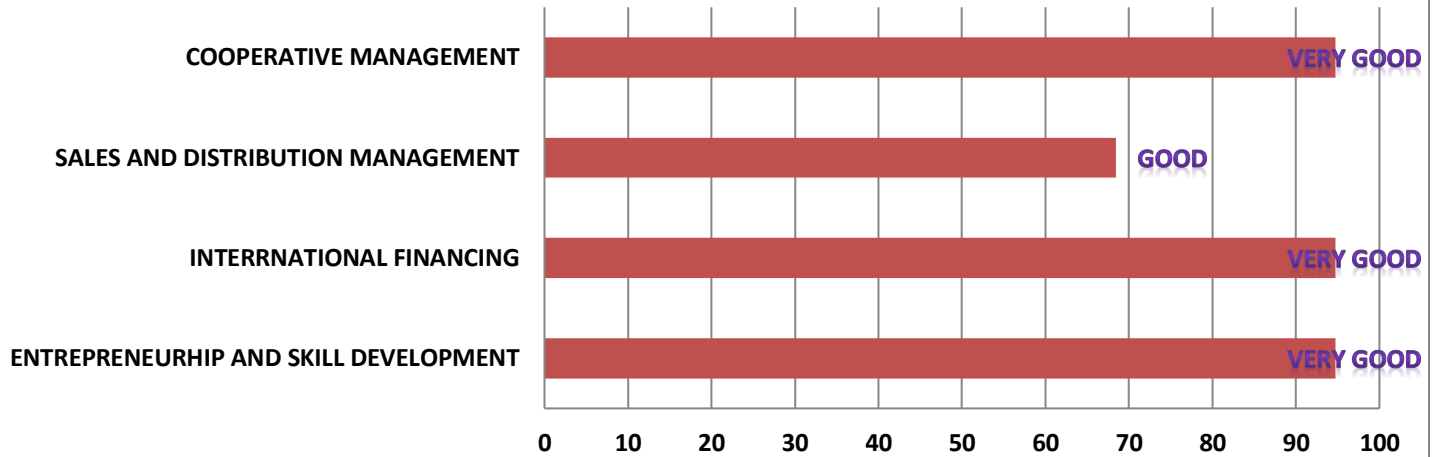
	ENGLISH	MARATHI	MANAGEMENT ACCOUNTING	ECONOMICS OF DEVELOPMENT	COMPANY LAW	INDIAN INSURANCE SYSTEM-II	INDIAN BANKING SYSTEM-II
Passed Percentage (%)	100	100	100	100	100	96.2	96.2

## COURSE OUTCOME ATTAINMENT 2020-2021 DEPARTMENT OF COMMERCE MASTER OF COMMERCE

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
M.COM II SEM IV	ENTREPRENEURSHIP AND SKILL DEVELOPMENT	94.74	4	VERY GOOD
	INTERNATIONAL FINANCING	94.74	4	VERY GOOD
	SALES AND DISTRIBUTION MANAGEMENT	68.42	3	GOOD
	COOPERATIVE MANAGEMENT	94.74	4	VERY GOOD

## COURSE OUTCOME ATTAINMENT MASTER OF COMMERCE

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	ENTREPRENEURHIP AND SKILL DEVELOPMENT	INTERRNATIONAL FINANCING	SALES AND DISTRIBUTION MANAGEMENT	COOPERATIVE MANAGEMENT
■ Passed Percentage (%)	94.74	94.74	68.42	94.74



**COURSE OUTCOME ATTAINMENT 2020-2021**  
**DEPARTMENT OF ARTS 2020-21**

S.N.	NAME OF SUBJECT	NO. OF STUDENTS APPEAR FOR EXAM	NO. OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
BA	ENGLISH(B.A.SEM-I)	117	99	84.61	4	VERY GOOD
	MARATHI(SEM-I)	127	116	91	4	VERY GOOD
	MARATHI LITERATURE (SEM-I)	21	19	90	4	VERY GOOD
	ECONOMICS(SEM-I)	55	46	83.63	4	VERY GOOD
	HOME ECONOMICS(B.A.SEM-I)	49	48	98	4	VERY GOOD
	POLITICALSCIENCE(SEM-I)	69	69	100	4	VERY GOOD
	HISTORY(SEM-I)	50	46	92	4	VERY GOOD
	GEOGRAPHY(SEM-I)	92	91	98.91	4	VERY GOOD
	STATISTICS(SEM-I)	28	28	100	4	VERY GOOD
BA	ENGLISH (B.A. SEM-II)	82	80	97.56	4	VERY GOOD
	MARATHI ( SEM-II)	105	104	99	4	VERY GOOD
	MARATHI LITERATURE (SEM-II)	24	23	96	4	VERY GOOD
	ECONOMICS (SEM-II)	46	45	97.82	4	VERY GOOD
	HOME ECONOMICS(B.A. SEM-II)	53	49	92.45	4	VERY GOOD
	POLITICAL SCIENCE (SEM-II)	84	84	100	4	VERY GOOD
	HISTORY(SEM-II)	46	45	97.80	4	VERY GOOD
	GEOGRAPHY(SEM-II)	98	91	92.85	4	VERY GOOD
	STATISTICS(SEM-II)	32	31	96.87	4	VERY GOOD

BA	ENGLISH (B.A. SEM-III)	113	111	98.23	4	VERY GOOD
	MARATHI ( SEM-III)	112	109	97	4	VERY GOOD
	MARATHI LITERATURE (SEM-III)	17	17	100	4	VERY GOOD
	ECONOMICS (SEM-III)	36	34	94.44	4	VERY GOOD
	HOME ECONOMICS(B.A. SEM-III)	62	62	100	4	VERY GOOD
	POLITICAL SCIENCE (SEM-III)	86	86	100	4	VERY GOOD
	HISTORY(SEM-III)	41	41	100	4	VERY GOOD
	GEOGRAPHY(SEM-III)	83	83	100	4	VERY GOOD
	STATISTICS(SEM-III)	10	10	100	4	VERY GOOD
BA	ENGLISH (B.A. SEM-IV)	116	115	99.13	4	VERY GOOD
	MARATHI ( SEM-IV)	117	117	100	4	VERY GOOD
	MARATHI LITERATURE (SEM-IV)	12	11	92	4	VERY GOOD
	ECONOMICS (SEM-IV)	38	38	100	4	VERY GOOD
	HOME ECONOMICS(B.A. SEM-IV)	65	65	100	4	VERY GOOD
	POLITICAL SCIENCE (SEM-IV)	89	89	100	4	VERY GOOD
	HISTORY(SEM-IV)	57	56	98.20	4	VERY GOOD
	GEOGRAPHY(SEM-IV)	83	83	100	4	VERY GOOD
	STATISTICS(SEM-IV)	10	10	100	4	VERY GOOD
BA	ENGLISH (B.A. SEM-V)	76	75	98.68	4	VERY GOOD
	MARATHI ( SEM-V)	77	77	100	4	VERY GOOD
	MARATHI LITERATURE (SEM-V)	12	12	100	4	VERY GOOD
	ECONOMICS (SEM-V)	23	23	100	4	VERY GOOD

	<b>HOME ECONOMICS(SEM-V)</b>	38	37	97.37	4	<b>VERY GOOD</b>
	<b>POLITICAL SCIENCE (SEM-V)</b>	62	62	100	4	<b>VERY GOOD</b>
	<b>HISTORY(SEM-V)</b>	45	45	100	4	<b>VERY GOOD</b>
	<b>GEOGRAPHY(SEM-V)</b>	51	51	100	4	<b>VERY GOOD</b>
	<b>STATISTICS(SEM-V)</b>	6	6	100	4	<b>VERY GOOD</b>
<b>BA</b>	<b>ENGLISH (B.A. SEM-VI)</b>	76	75	98.68	4	<b>VERY GOOD</b>
	<b>MARATHI ( SEM-VI)</b>	79	78	99	4	<b>VERY GOOD</b>
	<b>MARATHI LITERATURE (SEM-VI)</b>	21	21	100	4	<b>VERY GOOD</b>
	<b>ECONOMICS (SEM-VI)</b>	23	23	100	4	<b>VERY GOOD</b>
	<b>HOME ECONOMICS(B.A. SEM-VI)</b>	38	37	97.37	4	<b>VERY GOOD</b>
	<b>POLITICAL SCIENCE (SEM-VI)</b>	62	62	100	4	<b>VERY GOOD</b>
	<b>HISTORY(SEM-VI)</b>	41	40	97.50	4	<b>VERY GOOD</b>
	<b>GEOGRAPHY(SEM-VI)</b>	52	52	100	4	<b>VERY GOOD</b>
	<b>STATISTICS(SEM-VI)</b>	5	5	100	4	<b>VERY GOOD</b>

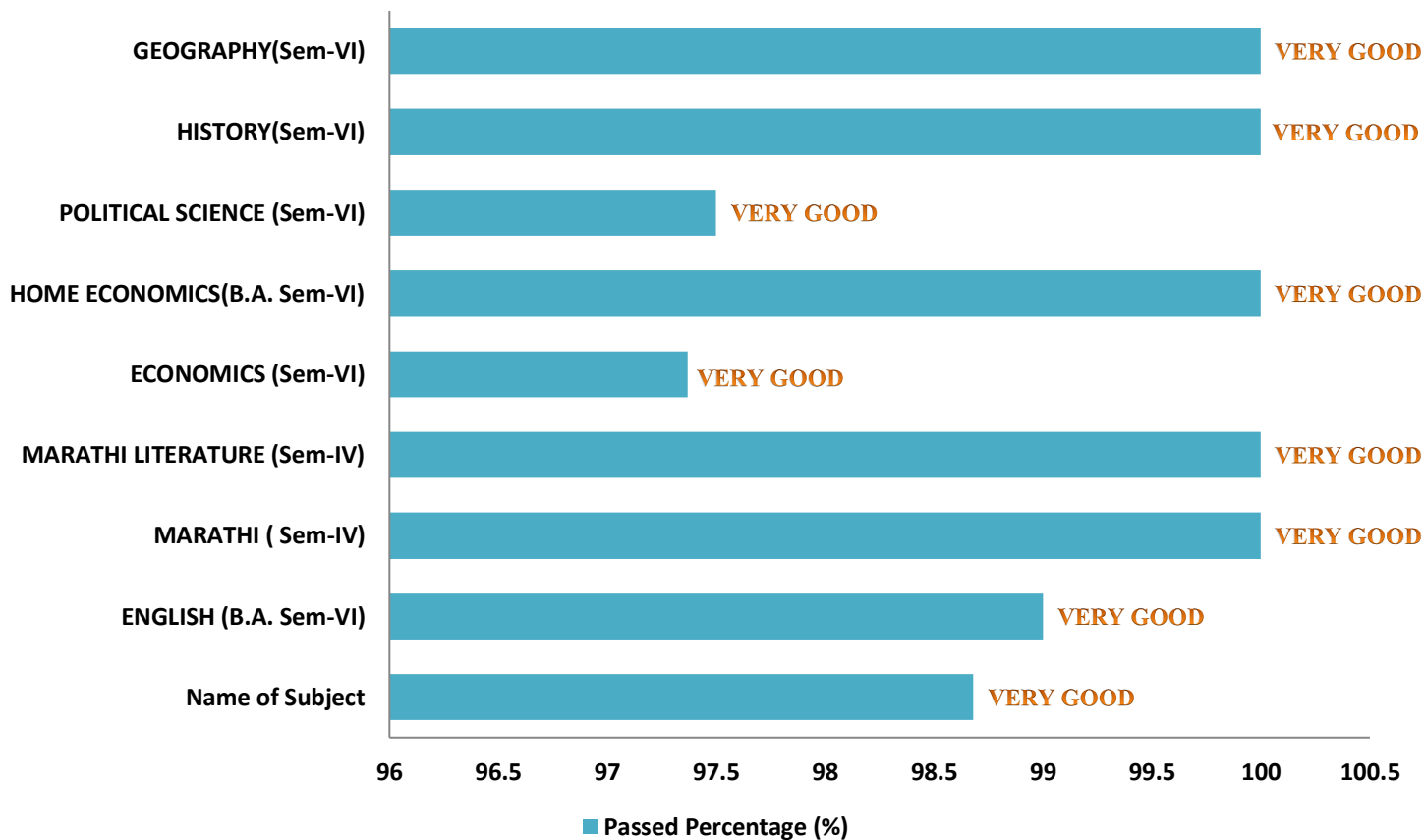
## COURSE OUTCOME ATTAINMENT 2020-2021

### DEPARMENT OF ARTS

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
<b>B.A. SEM-VI</b>	<b>ENGLISH (B.A. SEM-VI)</b>	98.68	4	<b>VERY GOOD</b>
	<b>MARATHI ( SEM-IV)</b>	99	4	<b>VERY GOOD</b>
	<b>MARATHI LITERATURE (SEM-IV)</b>	100	4	<b>VERY GOOD</b>
	<b>ECONOMICS (SEM-VI)</b>	100	4	<b>VERY GOOD</b>
	<b>HOME ECONOMICS(B.A.SEM-VI)</b>	97.37	4	<b>VERY GOOD</b>
	<b>POLITICAL SCIENCE (SEM-VI)</b>	100	4	<b>VERY GOOD</b>
	<b>HISTORY(SEM-VI)</b>	97.50	4	<b>VERY GOOD</b>

	<b>GEOGRAPHY(SEM-VI)</b>	100	4	<b>VERY GOOD</b>
	<b>STATISTICS(SEM-VI)</b>	100	4	<b>VERY GOOD</b>

## COURSE OUTCOME ATTAINMENT 2020-2021



## COURSE OUTCOME ATTAINMENT 2020-2021 DEPARTMENT OF SCIENCE

COURSE NAME	NAME OF SUBJECT	NO. OF STUDENTS APPEAR FOR EXAM	NO. OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
<b>B.S.C.</b>	<b>B.SC.ISEM-IENGLISH</b>	-	-	-	-	-
	<b>B.SC.ISEM-IPHYSICS</b>	51	51	100	4	<b>VERY GOOD</b>
	<b>B.SC.ISEM-ICHEMISTRY</b>	82	77	93.90	4	<b>VERY GOOD</b>
	<b>B.SC.ISEM-IMATHEMATICS</b>	51	34	66.57	3	<b>GOOD</b>
	<b>B.SC.ISEM-ICOMPUTERSCIENCE</b>	24	23	95.83	4	<b>VERY GOOD</b>

	<b>B.SC.ISEM-IBOTANY</b>	46	46	100	4	<b>VERY GOOD</b>
<b>B.S.C.</b>	<b>B.SC. I SEM II ENGLISH</b>	96	96	100	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM II PHYSICS</b>	54	54	100	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM II CHEMISTRY</b>	82	79	96.34	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM II MATHEMATICS</b>	50	37	74	3	<b>GOOD</b>
	<b>B.SC. I SEM II COMPUTER SCIENCE</b>	25	24	96	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM II BOTANY</b>	44	42	95.45	4	<b>VERY GOOD</b>
<b>B.S.C.</b>	<b>B.SC. I SEM III PHYSICS</b>	62	62	100	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM III CHEMISTRY</b>	88	87	98.86	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM III MATHEMATICS</b>	56	53	94.64	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM III COMPUTER SCIENCE</b>	24	24	100	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM III BOTANY</b>	45	42	93.33	4	<b>VERY GOOD</b>
<b>B.S.C.</b>	<b>B.SC. I SEM IV PHYSICS</b>	66	66	100	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM IV CHEMISTRY</b>	90	90	100	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM IV MATHEMATICS</b>	55	42	76.36	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM IV COMPUTER SCIENCE</b>	24	24	100	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM IV BOTANY</b>	43	43	100	4	<b>VERY GOOD</b>
<b>B.S.C.</b>	<b>B.SC. I SEM V PHYSICS</b>	61	61	100	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM V CHEMISTRY</b>	93	91	97.84	4	<b>VERY GOOD</b>
	<b>B.SC. I SEM V MATHEMATICS</b>	33	31	93.94	4	<b>VERY GOOD</b>

	B.SC. I SEM V COMPUTER SCIENCE	36	36	100	4	VERY GOOD
	B.SC. I SEM V BOTANY	41	41	100	4	VERY GOOD
B.S.C.	B.SC. I SEM VI PHYSICS	61	61	100	4	VERY GOOD
	B.SC. I SEM VI CHEMISTRY	97	97	100	4	VERY GOOD
	B.SC. I SEM VI MATHEMATICS	33	28	84.85	4	VERY GOOD
	B.SC. I SEM VI COMPUTER SCIENCE	36	36	100	4	VERY GOOD
	B.SC. I SEM VI BOTANY	63	61	96.83	4	VERY GOOD
MSC SEM I CHEMISTRY	INORGANIC CHEMISTRY	29	29	100%	4	VERY GOOD
	ORGANIC CHEMISTRY-I	29	29	100%	4	VERY GOOD
	PHYSICAL CHEMISTRY-I	29	29	100%	4	VERY GOOD
	MODERN METHODS OF SEPARATION	29	29	100%	4	VERY GOOD
MSC SEM II	CO-ORDINATION CHEMISTRY	30	29	96.66%	4	VERY GOOD
	ORGANIC CHEMISTRY-II	30	29	96.66%	4	VERY GOOD
	PHYSICAL CHEMISTRY-II	30	29	96.66%	4	VERY GOOD
	OPTICAL METHOD AND ENV. CHEMISTRY	30	29	96.66%	4	VERY GOOD
MSC SEM III	SPECTROSCOPY-I	-	-	-	-	-
	ANALYTICAL CHEMISTRY	-	-	-	-	-
	ORGANIC SYNTHESIS-I	-	-	-	-	-
	NATURAL PRODUCT-I	-	-	-	-	-
MSC SEM IV	SPECTROSCOPY-II	26	26	100	4	VERY GOOD

	<b>GENERAL ANALYTICAL CHEMISTRY</b>	26	26	100	4	<b>VERY GOOD</b>
	<b>ORGANIC SYNTHESIS-II</b>	26	26	100	4	<b>VERY GOOD</b>
	<b>NATURAL PRODUCT-II</b>	26	26	100	4	<b>VERY GOOD</b>
<b>MSC SEM I MATHEMATICS</b>	<b>REAL ANALYSIS</b>	56	56	100	4	<b>VERY GOOD</b>
	<b>AEC ON REAL ANALYSIS</b>	56	56	100	4	<b>VERY GOOD</b>
	<b>ADV.ABSTRACT ALGEBRA</b>	56	56	100	4	<b>VERY GOOD</b>
	<b>COMPLEX ANALYSIS</b>	56	56	100	4	<b>VERY GOOD</b>
	<b>TOPOLOGY-I</b>	56	56	100	4	<b>VERY GOOD</b>
	<b>DIFFERENTIAL GEOMETRY</b>	56	56	100	4	<b>VERY GOOD</b>
<b>MSC SEM II</b>	<b>MEASURE AND INTEGRATION THEORY</b>	56	56	100	4	<b>VERY GOOD</b>
	<b>ADV. LINEAR ALGEBRA &amp; FIELD THEORY</b>	56	56	100	4	<b>VERY GOOD</b>
	<b>INTEGRAL EQUATION</b>	56	56	100	4	<b>VERY GOOD</b>
	<b>TOPOLOGY-II</b>	56	56	100	4	<b>VERY GOOD</b>
	<b>RIEMANNIAN GEOMETRY</b>	56	56	100	4	<b>VERY GOOD</b>
<b>MSC SEM III</b>	<b>FUNCTIONAL ANALYSIS-I</b>	58	58	100	4	<b>VERY GOOD</b>
	<b>ADVANCED MECHANICS</b>	58	58	100	4	<b>VERY GOOD</b>
	<b>OPERATIONS RESEARCH</b>	58	58	100	4	<b>VERY GOOD</b>
	<b>GENERAL RELATIVITY</b>	58	58	100	4	<b>VERY GOOD</b>
	<b>FLUID DYNAMICS-I</b>	58	58	100	4	<b>VERY GOOD</b>
<b>MSC SEM IV</b>	<b>FUNCTIONAL ANALYSIS-II</b>	58	58	100	4	<b>VERY GOOD</b>

	<b>PARTIAL DIFF. EQUATIONS</b>	58	58	100	4	<b>VERY GOOD</b>
	<b>NUMERICAL ANALYSIS</b>	58	58	100	4	<b>VERY GOOD</b>
	<b>RELATIVISTIC COSMOLOGY</b>	58	58	100	4	<b>VERY GOOD</b>
	<b>FLUID DYNAMICS-II</b>	58	58	100	4	<b>VERY GOOD</b>

## COURSE OUTCOME ATTAINMENT 2020-2021

### DEPARTMENT OF SCIENCE

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
B.S.C.	<b>B.Sc. I SEM VI PHYSICS</b>	100	4	VERY GOOD
	<b>B.Sc. I SEM VI CHEMISTRY</b>	100	4	VERY GOOD
	<b>B.Sc. I SEM VI MATHEMATICS</b>	84.85	4	VERY GOOD
	<b>B.Sc. I SEM VI COMPUTER SCIENCE</b>	100	4	VERY GOOD
	<b>B.Sc. I SEM VI BOTANY</b>	<b>96.83</b>	<b>4</b>	VERY GOOD



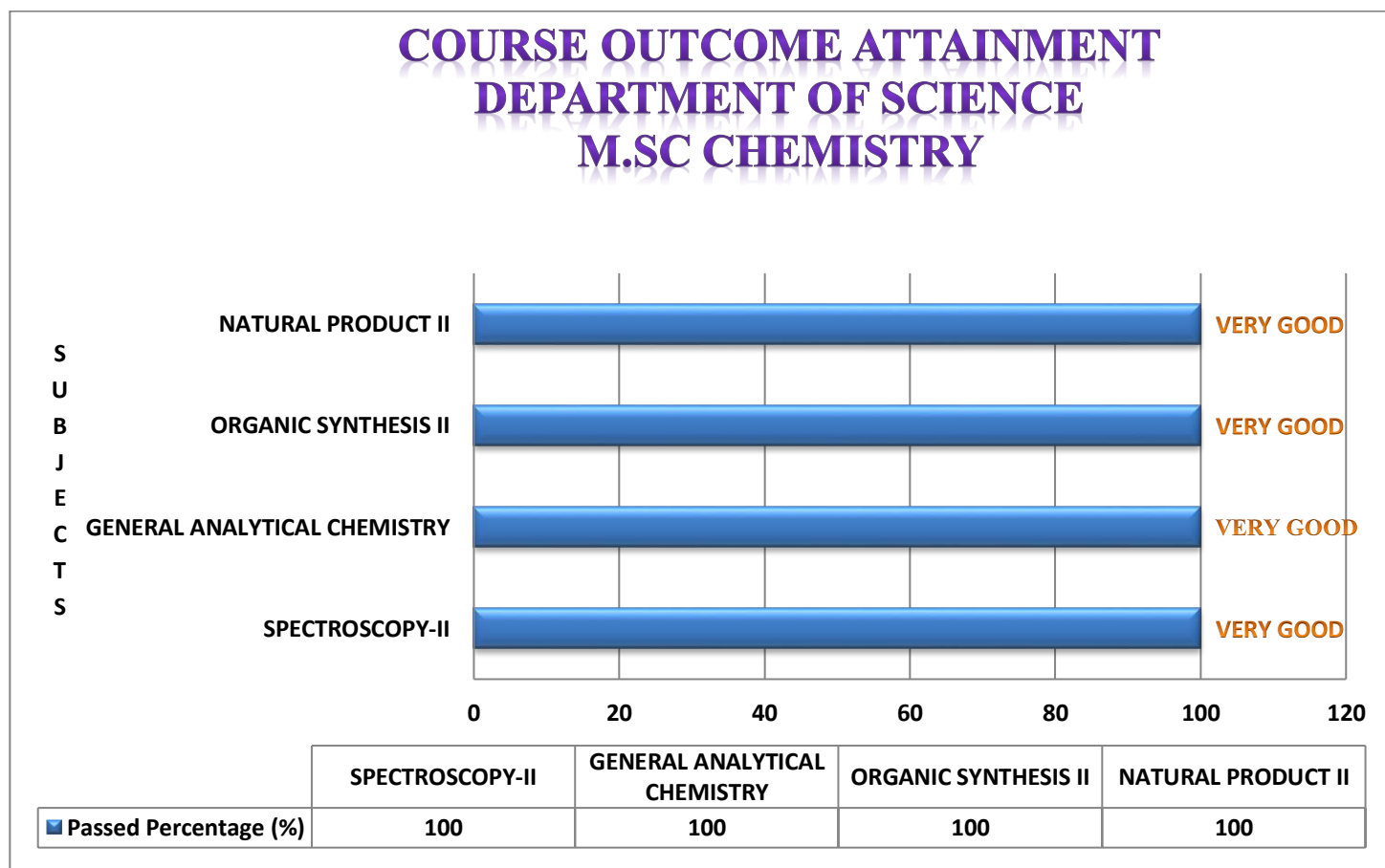
## COURSE OUTCOME ATTAINMENT



	B.Sc. I SEM VI PHYSICS	B.Sc. I SEM VI CHEMISTRY	B.Sc. I SEM VI MATHEMATICS	B.Sc. I SEM VI COMPUTER SCIENCE	B.Sc. I SEM VI BOTANY
Passed Percentage (%)	100	100	84.85	100	96.83

**COURSE OUTCOME ATTAINMENT 2020-21**  
**DEPARTMENT OF SCIENCE**  
**M.SC CHEMISTRY**

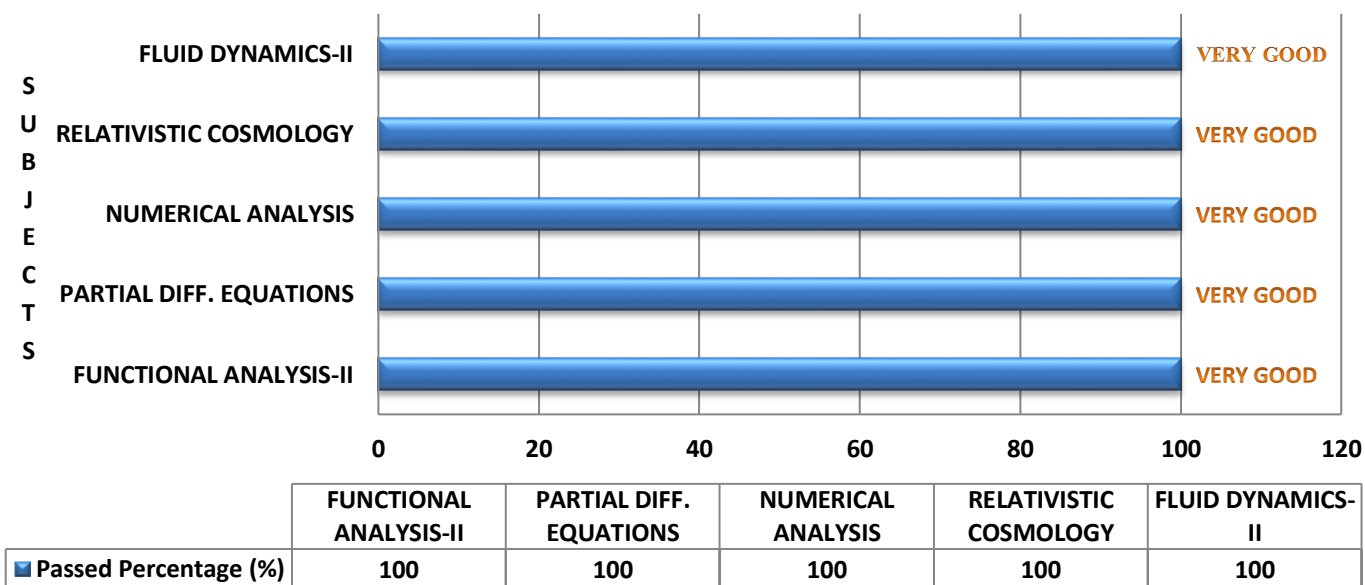
DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
MSC CHEMISTRY	SPECTROSCOPY-II	100	4	VERY GOOD
	GENERAL ANALYTICAL CHEMISTRY	100	4	VERY GOOD
	ORGANIC SYNTHESIS-II	100	4	VERY GOOD
	NATURAL PRODUCT-II	100	4	VERY GOOD



**COURSE OUTCOME ATTAINMENT 2020-21**  
**DEPARTMENT OF SCIENCE**  
**M.SC MATHEMATICS**

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENTL EVEL	GRADE
MSC MATHEMATICS	FUNCTIONAL ANALYSIS-II	100	4	VERY GOOD
	PARTIAL DIFF. EQUATIONS	100	4	VERY GOOD
	NUMERICAL ANALYSIS	100	4	VERY GOOD
	RELATIVISTIC COSMOLOGY	100	4	VERY GOOD
	FLUID DYNAMICS-II	100	4	VERY GOOD

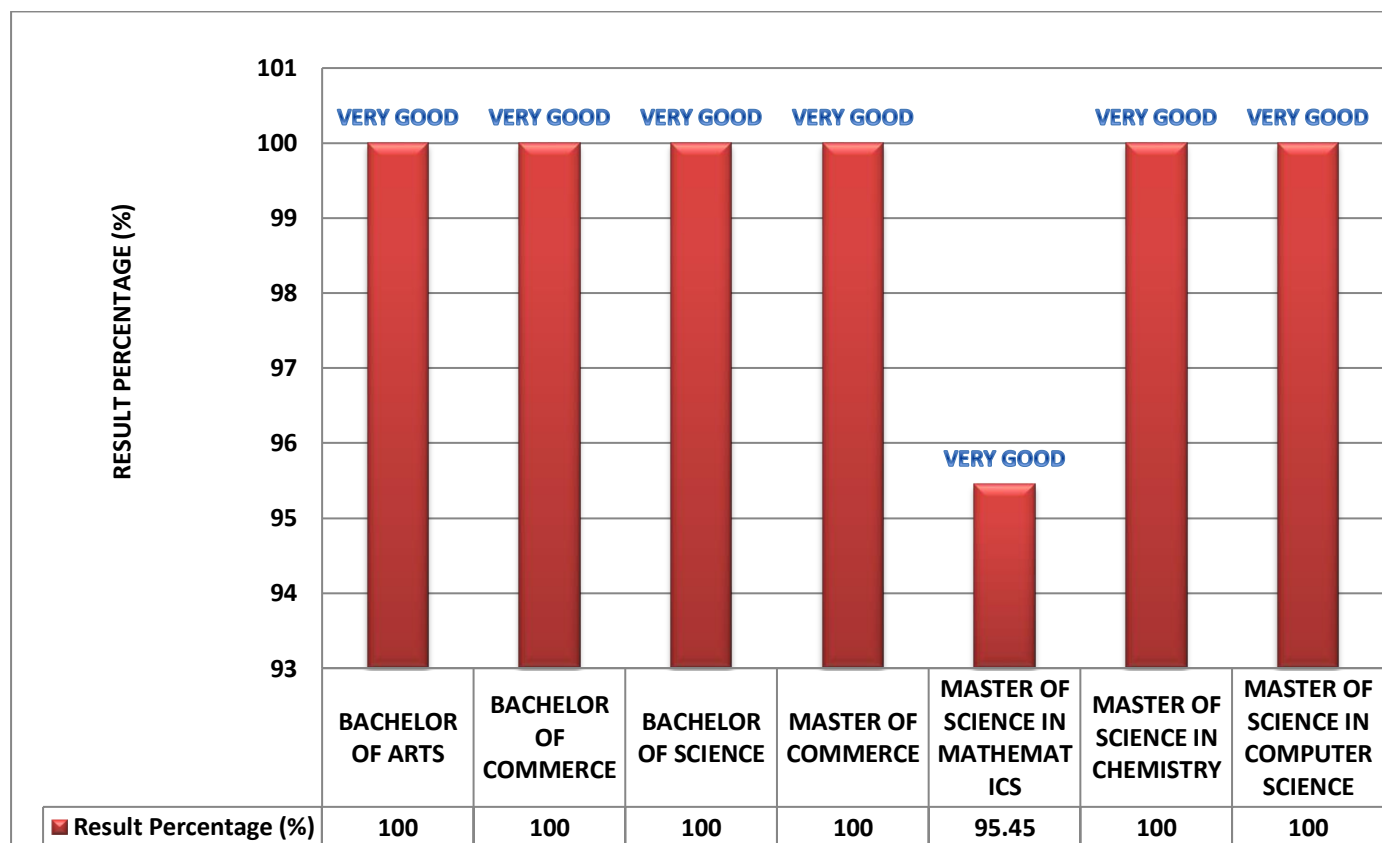
**COURSE OUTCOME ATTAINMENT**  
**DEPARTMENT OF SCIENCE**  
**M.SC MATHEMATICS**



## PROGRAM ATTAINMENT 2019-20

<b>PROGRAM OUTCOME ATTAINMENT 2019-20</b>						
<i>YEAR</i>	<i>NAME OF THE EXAMINATION</i>	<i>NO. OF STUDENTS APPEARED FOR EXAM</i>	<i>NO. OF STUDENTS PASSED IN THE EXAM</i>	<i>RESULT PERCENTAGE(%)</i>	<i>PO ATTAINMENT LEVEL</i>	<i>GRADE</i>
<b>2019-20</b>	<b>BACHELOR OF ARTS</b>	23	23	100	4	<b>VERY GOOD</b>
	<b>BACHELOR OF COMMERCE</b>	42	42	100	4	<b>VERY GOOD</b>
	<b>BACHELOR OF SCIENCE</b>	83	83	100	4	<b>VERY GOOD</b>
	<b>MASTER OF COMMERCE</b>	8	8	100	4	<b>VERY GOOD</b>
	<b>MASTER OF SCIENCE IN MATHEMATICS</b>	44	42	95.45	4	<b>VERY GOOD</b>
	<b>MASTER OF SCIENCE IN CHEMISTRY</b>	20	20	100	4	<b>VERY GOOD</b>
	<b>MASTER OF SCIENCE IN COMPUTER SCIENCE</b>	9	9	100	4	<b>VERY GOOD</b>

## PROGRAM ATTAINMENT 2019-20



## PROGRAM SPECIFIC OUTCOME ATTAINMENT 2019-20

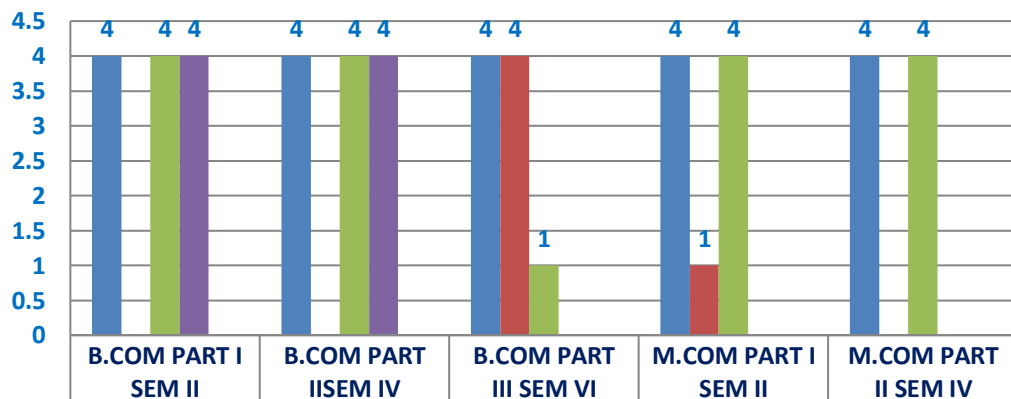
S.N.	NAME OF THE EXAMINATION	NO. OF STUDENTS APPEARING FOR EXAM	NO. OF STUDENTS PASSED IN THE EXAM	RESULT PERCENTAGE (%)	NO. OF STUDENTS PASSED IN DISTINCTION	NO. OF STUDENTS PASSED IN FIRST CLASS	NO. OF STUDENTS PASSED IN SECOND CLASS	NO. OF STUDENTS PASSED IN THIRD CLASS	NO. OF STUDENTS PASSED IN DISTINCTION (%)	NO. OF STUDENTS PASSED IN FIRST CLASS (%)	NO. OF STUDENTS PASSED IN SECOND CLASS (%)	NO. OF STUDENTS PASSED IN THIRD CLASS (%)	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
1	B.COM PART I SEM II	72	70	97.22	00	59	08	03	00	84.28	11.42	04.28	4		4	4		4	VERY GOOD
2	B.COM PART II SEM IV	80	75	93.75	00	66	09	00	00	88	12	00	4		4	4		4	VERY GOOD
3	B.COM PART III SEM VI	42	42	100	41	01	00	00	97.61	02.39	00	00	4	4	1			1.66	UNSATISFACTORY
4	M.COM PART I SEM II	20	20	100	02	18	00	00	10	90	00	00	4	1	4			1.66	UNSATISFACTORY
5	M.COM PART II SEM IV	8	8	100	08	00	00	00	00	100	00	00	4		4			4	VERY GOOD
6	B.A. PART-I (SEM. II)	138	130	94.20	09	67	54	00	06.92	51.53	41.53	00	4	1	3	3		2.75	SATISFACTORY
7	B.A. PART-II (SEM. IV)	65	62	95.38	18	40	04	00	29.03	61.54	06.45	00	4	2	3	4		2.75	SATISFACTORY
8	B.A. PART-III SEM VI	23	23	100	23	00	00	00	100	00	00	00	4	4				4	VERY GOOD
9	B.SC. I SEM II	115	101	87.82	34	52	15	00	33.66	51.48	14.85	00	4	2	2	4		3	GOOD
10	B.SC. II SEM IV	103	99	96.12	45	50	04	00	45.45	50.50	04.04	00	4	2	2	4		3	GOOD
11	B.SC. III SEM VI	83	83	100	83	00	00	00	100	00	00	00	4	4				4	VERY GOOD
12	M.SC. I SEM II MATHEMATICS	44	44	100	0	39	05	0	00	88.63	11.36	00	4	00	4	0	0	4	VERY GOOD
13	M.SC. I SEM IV MATHEMATICS	44	42	100	42	--	0	0	100	00	00	00	4	4	0	0	0	4	VERY GOOD
14	M.SC. I SEM II CHEMISTRY	22	22	100	4	18	0	0	18.18	81.81	00	00	4	1	4	0	0	3	GOOD
15	M.SC. I SEM IV CHEMISTRY	20	20	100	20	0	0	0	100	00	00	00	4	4	00	00	00	4	VERY GOOD

## PARAMETER WISE PROGRAM SPECIFIC OUTCOME ATTAINMENT(PSO) DEPARTMENT OF COMMERCE AND MANAGEMENT

NAME OF THE EXAMINATION	PARAMETER I (RESULT %)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.COM PART I SEM II	4		4	4	
B.COM PART II SEM I V	4		4	4	
B.COM PART III SEM VI	4	4	1		
M.COM PART I SEM II	4	1	4		
M.COM PART II SEM IV	4		4		

### PROGRAM SPECIFIC OUTCOME ATTAINMENT

PARAMETERS

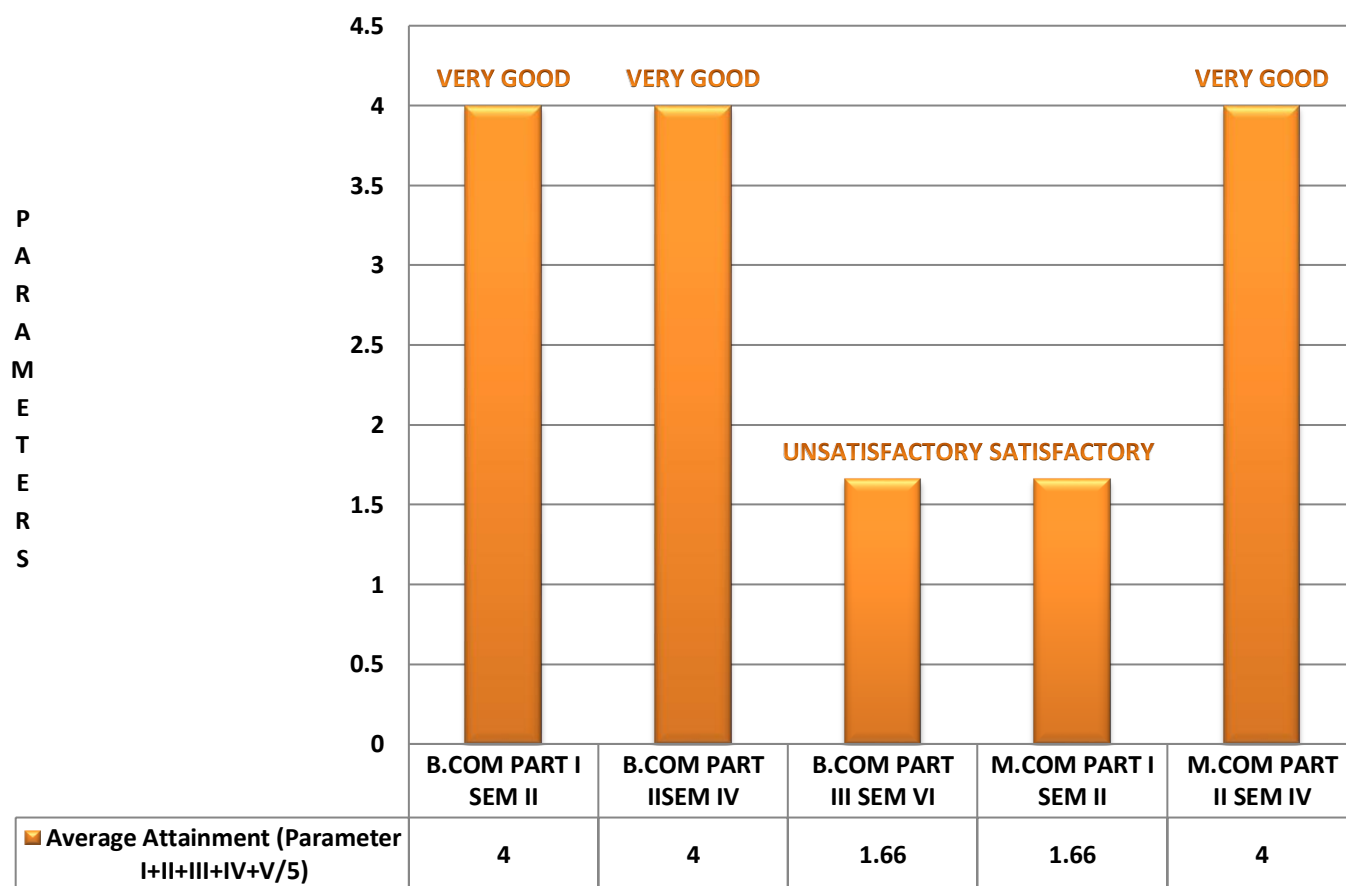


■ Parameter I (Result %)	4	4	4	4	4
■ Parameter II (Passed in Distinction)			4	1	
■ Parameter III (Passed in First Class)	4	4	1	4	4
■ Parameter IV (Passed in Second Class)	4	4			
■ Parameter V (Passed in Third Class)					

## DEPARTMENT OF COMMERCE & MANAGEMENT

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.COM PART I SEM II	4		4	4		4	VERY GOOD
B.COM PART II SEM IV	4		4	4		4	VERY GOOD
B.COM PART III SEM VI	4	4	1			1.66	UNSATISFACTORY
M.COM PART I SEM II	4	1	4			1.66	UNSATISFACTORY
M.COM PART II SEM IV	4		4			4	VERY GOOD

### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)



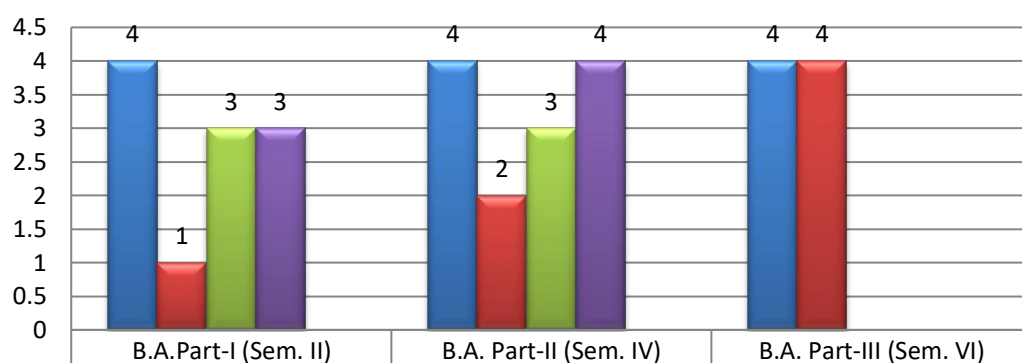
# PROGRAM SPECIFIC OUTCOME ATTAINMENT

## DEPARTMENT OF ARTS

NAME OF THE EXAMINATION	PARAMETER I (RESULT %)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.A. PART-I (SEM. II)	4	1	3	3	
B.A. PART-II (SEM. IV)	4	2	3	4	
B.A. PART-III (SEM. VI)	4	4			

PARAMETERS

### PROGRAM SPECIFIC OUTCOME ATTAINMENT



	B.A. Part-I (Sem. II)	B.A. Part-II (Sem. IV)	B.A. Part-III (Sem. VI)
Parameter I (Result %)	4	4	4
Parameter II (Passed In Distinction)	1	2	4
Parameter III (Passed In First Class)	3	3	
Parameter IV (Passed in Second Class)	3	4	
Parameter V (Passed in Third Class)			

- Parameter I (Result %)
- Parameter II (Passed In Distinction)
- Parameter III (Passed In First Class)
- Parameter IV (Passed in Second Class)
- Parameter V (Passed in Third Class)

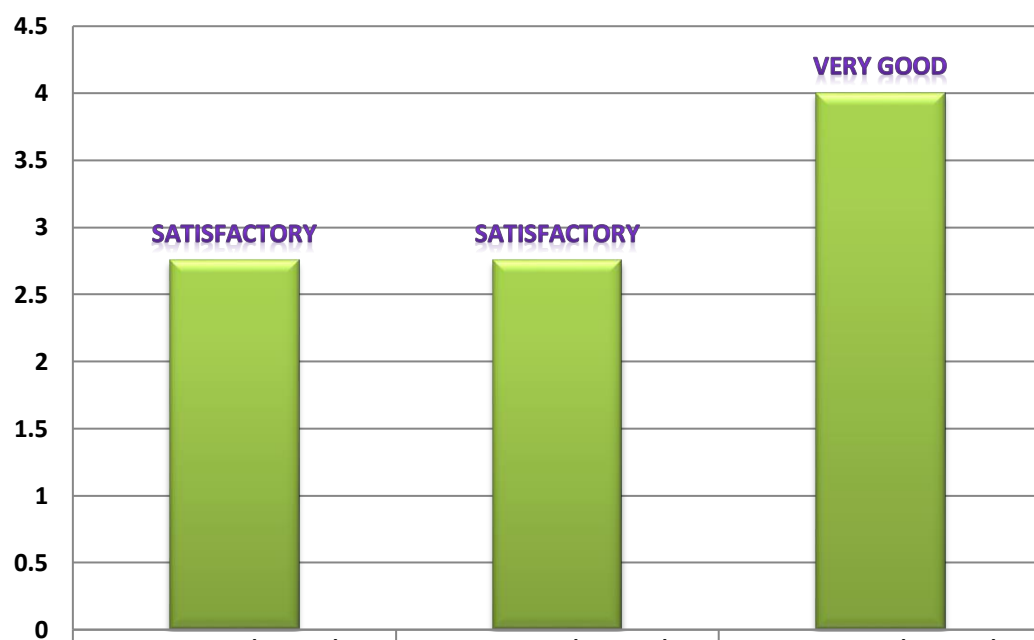


## PROGRAM SPECIFIC OUTCOME ATTAINMENT

### DEPARTMENT OF ARTS

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.A. Part-I (Sem. II)	4	1	3	3		2.75	SATISFACTORY
B.A. Part-II (Sem. IV)	4	2	3	4		2.75	SATISFACTORY
B.A. Part-III (Sem. VI)	4	4				4	VERY GOOD

### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)



■ Average Attainment (Parameter I+II+III+IV+V/5)

B.A. Part-I (Sem. II)

B.A. Part-II (Sem. IV)

B.A. Part-III (Sem. VI)

2.75

2.75

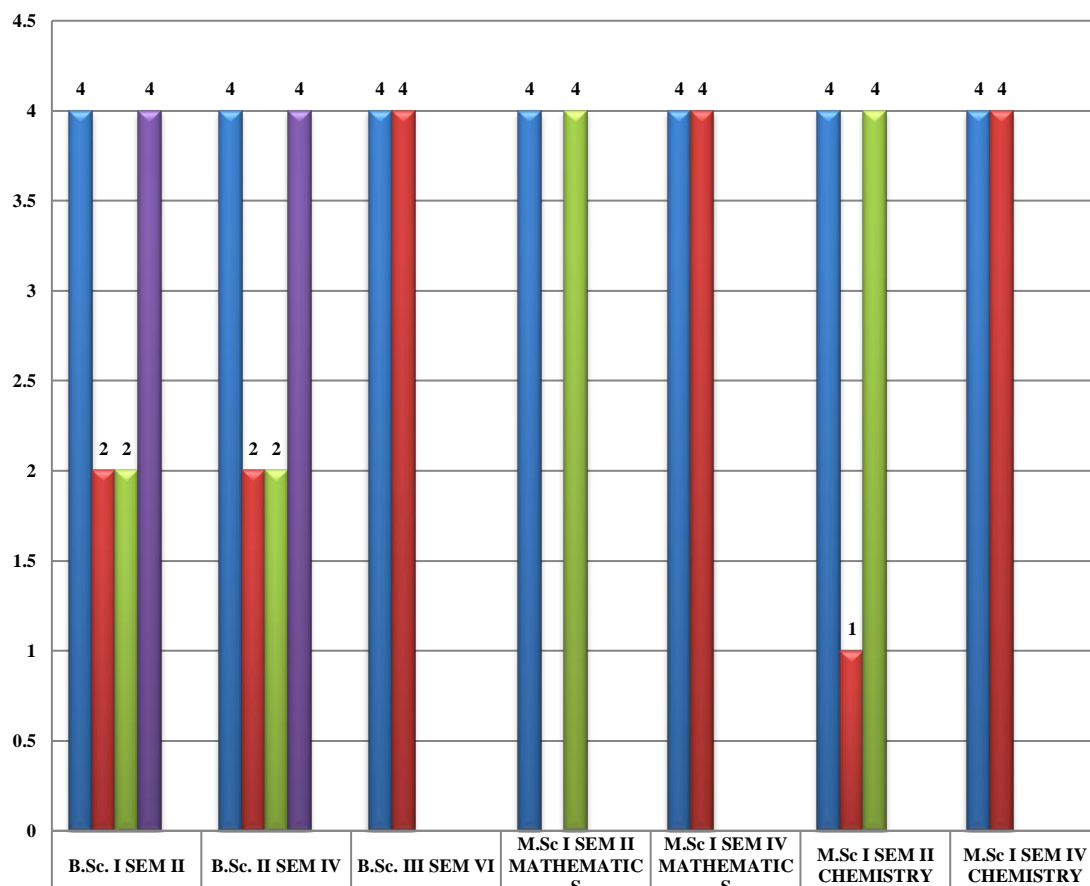
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# PROGRAM SPECIFIC OUTCOME ATTAINMENT

## SCIENCE DEPARTMENT

NAME OF THE EXAMINATION	PARAMETER I (RESULT %)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.SC. I SEM II	4	2	2	4	
B.SC. II SEM IV	4	2	2	4	
B.SC. III SEM VI	4	4			
M.SC I SEM II MATHEMATICS	4		4		
M.SC I SEM IV MATHEMATICS	4	4			
M.SC I SEM II CHEMISTRY	4	1	4		
M.SC I SEM IV CHEMISTRY	4	4			

PROGRAM SPECIFIC OUTCOME ATTAINMENT  
SCIENCE DEPARTMENT

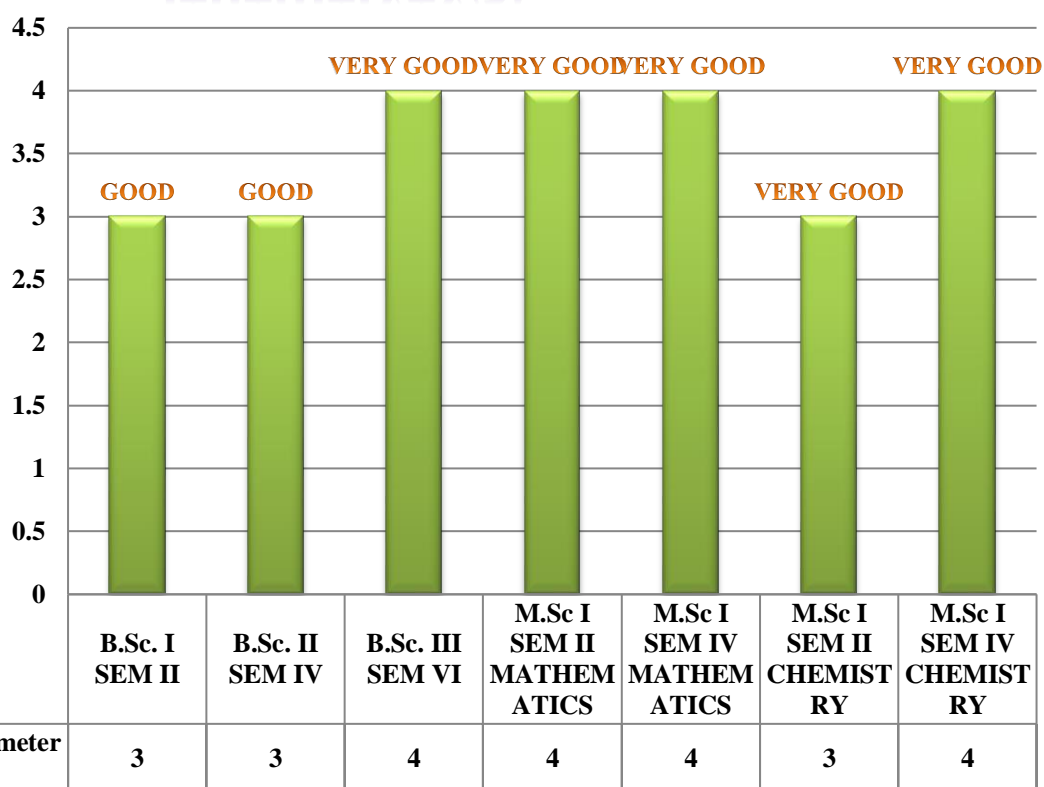


Parameter I (Result %)	4	4	4	4	4	4	4
Parameter II (Passed In Distinction)	2	2	4		4	1	4
Parameter III (Passed In First Class)	2	2		4		4	
Parameter IV (Passed in Second Class)	4	4					
Parameter V (Passed in Third Class)							

## DEPARTMENT OF SCIENCE

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.SC. I SEM II	4	2	2	4		3	GOOD
B.SC. II SEM IV	4	2	2	4		3	GOOD
B.SC. III SEM VI	4	4				4	VERY GOOD
M.SC I SEM II MATHEMATICS	4		4			4	VERY GOOD
M.SC I SEM IV MATHEMATICS	4	4				4	VERY GOOD
M.SC I SEM II CHEMISTRY	4	1	4			3	GOOD
M.SC I SEM IV CHEMISTRY	4	4				4	VERY GOOD

### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)



# COURSE OUTCOME ATTAINMENT 2019-20

## COURSE OUTCOME ATTAINMENT 2019-20

S.N.	NAME OF SUBJECT	NO OF STUDENTS APPREAD FOR EXAM	NO OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
<b>B.COM PART-I SEM I</b>	ENGLISH	77	45	58.44	3	GOOD
	MARATHI	77	43	55.84	3	GOOD
	PRINCIPLES OF ECONOMICS	77	39	50.64	3	GOOD
	ADVANCED ACCOUNTANCY	77	50	64.93	3	GOOD
	PRINCIPLES OF BUSINESS ORGANISATION	77	56	72.72	3	GOOD
	COMPUTER FUNDAMENTALS & OPERATING SYSTEM-1	77	43	55.84	3	GOOD
<b>B.COM PART-I SEM II</b>	ENGLISH	72	70	97.22	4	VERY GOOD
	MARATHI	72	70	97.22	4	VERY GOOD
	BUSINESS ECONOMICS	72	72	100	4	VERY GOOD
	FINANCIAL ACCOUNTING	72	72	100	4	VERY GOOD
	PRINCIPLES OF BUSINESS MANAGEMENT	72	72	100	4	VERY GOOD
	COMPUTER FUNDAMENTALS & OPERATING SYSTEM-2	72	72	100	4	VERY GOOD
<b>B.COM PART-II SEM III</b>	ENGLISH	75	60	80	4	VERY GOOD
	MARATHI	75	74	98.66	4	VERY GOOD
	COMPANY ACCOUNT	75	65	86.66	4	VERY GOOD
	BUSINESS MATHEMATICS	75	73	97.33	4	VERY GOOD
	AUDITING	75	57	76	4	VERY GOOD
	MONITORIAL SYSTEM	75	69	92	4	VERY GOOD
	INFORMATION TECHNOLOGY & BUSINESS DATA PROCESSING-1	75	63	84	4	VERY GOOD
<b>B.COM PART-III SEM-IV</b>	ENGLISH	80	76	95	4	VERY GOOD
	MARATHI	80	76	95	4	VERY GOOD
	CORPORATE ACCOUNTING	80	78	97.50	4	VERY GOOD
	BUSINESS STATISTICS	80	78	97.50	4	VERY GOOD
	INCOME TAX	80	78	97.50	4	VERY GOOD
	INDIAN FINANCIAL SYSTEM	80	78	97.50	4	VERY GOOD

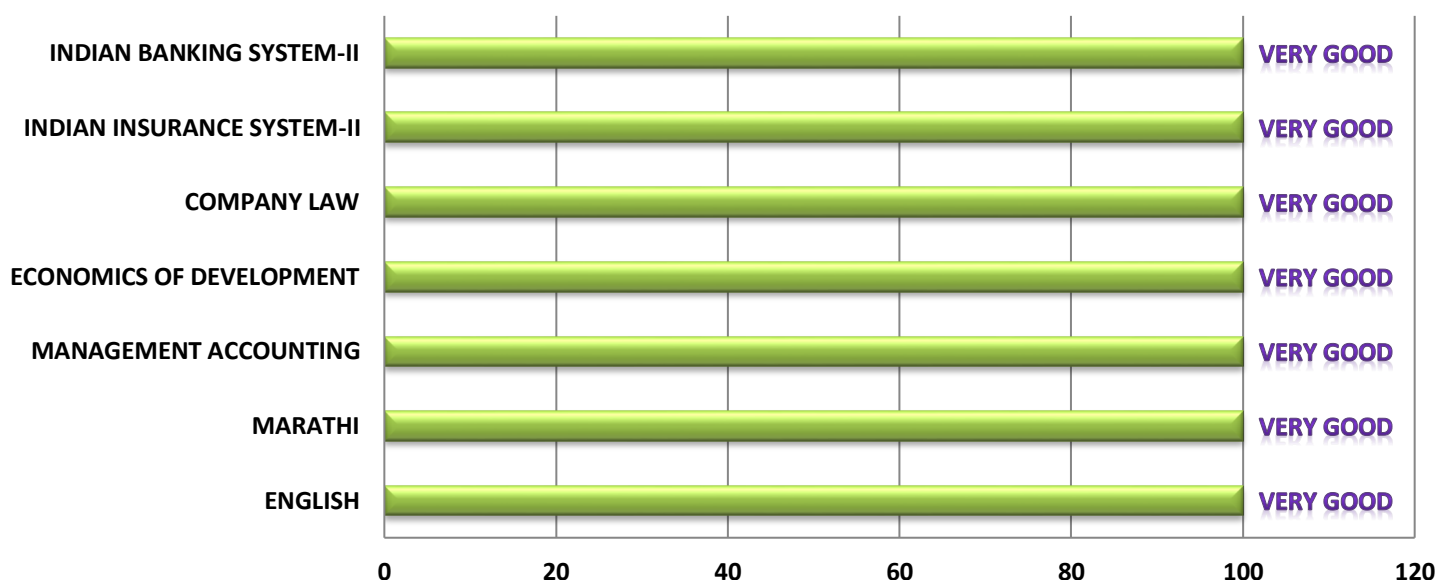
	<b>INFORMATION TECHNOLOGY &amp; BUSINESS DATA PROCESSING -2</b>	80	79	79.5	4	<b>VERY GOOD</b>
<b>B.COM PART-III SEM-V</b>	<b>ENGLISH</b>	44	35	79.54	4	<b>VERY GOOD</b>
	<b>MARATHI</b>	44	44	100	4	<b>VERY GOOD</b>
	<b>COST ACCOUNTING</b>	44	42	95.45	4	<b>VERY GOOD</b>
	<b>BUSINESS ENVIRONMENT</b>	44	41	93.18	4	<b>VERY GOOD</b>
	<b>BUSINESS REGULATORY</b>	44	39	88.63	4	<b>VERY GOOD</b>
	<b>INDIAN INSURANCE SYSTEM-I</b>	44	43	97.72	4	<b>VERY GOOD</b>
	<b>INDIAN BANKING SYSTEM-I</b>	44	39	88.63	4	<b>VERY GOOD</b>
<b>B.COM PART-III SEM VI</b>	<b>ENGLISH</b>	42	42	100	4	<b>VERY GOOD</b>
	<b>MARATHI</b>	42	42	100	4	<b>VERY GOOD</b>
	<b>MANAGEMENT ACCOUNTING</b>	42	42	100	4	<b>VERY GOOD</b>
	<b>ECONOMICS OF DEVELOPMENT</b>	42	42	100	4	<b>VERY GOOD</b>
	<b>COMPANY LAW</b>	42	42	100	4	<b>VERY GOOD</b>
	<b>INDIAN INSURANCE SYSTEM-II</b>	42	42	100	4	<b>VERY GOOD</b>
	<b>INDIAN BANKING SYSTEM-II</b>	42	42	100	4	<b>VERY GOOD</b>
<b>M.COM-I SEM-I</b>	<b>MANAGERIAL ECONOMICS</b>	10	08	80	4	<b>VERY GOOD</b>
	<b>SERVICES MARKETING &amp; CRM</b>	10	09	90	4	<b>VERY GOOD</b>
	<b>ADVANCED FINANCIAL ACCOUNTING</b>	10	08	80	4	<b>VERY GOOD</b>
	<b>BANKING &amp; INSURANCE</b>	10	09	90	4	<b>VERY GOOD</b>
<b>M.COM-I SEM II</b>	<b>ACCOUNTING FOR MANAGEMENT</b>	20	20	100	4	<b>VERY GOOD</b>
	<b>STRATEGIC MANAGEMENT</b>	20	20	100	4	<b>VERY GOOD</b>
	<b>MANAGEMENT CONCEPT &amp; OB</b>	20	20	100	4	<b>VERY GOOD</b>
	<b>COMPUTER APPLICATION FOR BUSINESS</b>	20	20	100	4	<b>VERY GOOD</b>
<b>M.COM-II SEM III</b>	<b>RESEARCH METHODOLOGY</b>	16	12	75	4	<b>VERY GOOD</b>
	<b>STATISTICAL ANALYSIS</b>	16	14	87.50	4	<b>VERY GOOD</b>
	<b>CORPORATE TAX &amp; MANAGEMENT</b>	16	05	31.25	4	<b>VERY GOOD</b>
	<b>E-COMMERCE &amp; LEGAL SECURITY</b>	16	16	100	4	<b>VERY GOOD</b>
<b>M.COM-II SEM IV</b>	<b>ENTREPRENEURSHIP AND SKILL DEVELOPMENT</b>	8	08	100	4	<b>VERY GOOD</b>
	<b>INTERNATIONAL FINANCING</b>	8	08	100	4	<b>VERY GOOD</b>

	<b>SALES AND DISTRIBUTION MANAGEMENT</b>	8	08	100	4	<b>VERY GOOD</b>
	<b>COOPERATIVE MANAGEMENT</b>	8	08	100	4	<b>VERY GOOD</b>

**COURSE OUTCOME ATTAINMENT 2019-20**  
**DEPARMENT OF COMMERCE**  
**BACHELOR OF COMMERCE**

<b>DEGREE</b>	<b>NAMEB OF SUBJECT</b>	<b>PASSED PERCENTAGE( %)</b>	<b>CO ATTAINMEN T LEVEL</b>	<b>GRADE</b>
<b>B.COM PART III SEM VI</b>	<b>ENGLISH</b>	100	4	<b>VERY GOOD</b>
	<b>MARATHI</b>	100	4	<b>VERY GOOD</b>
	<b>MANAGEMENT ACCOUNTING</b>	100	4	<b>VERY GOOD</b>
	<b>ECONOMICS OF DEVELOPMENT</b>	100	4	<b>VERY GOOD</b>
	<b>COMPANY LAW</b>	100	4	<b>VERY GOOD</b>
	<b>INDIAN INSURANCE SYSTEM-II</b>	100	4	<b>VERY GOOD</b>
	<b>INDIAN BANKING SYSTEM-II</b>	100	4	<b>VERY GOOD</b>

## COURSE OUTCOME ATTAINMENT

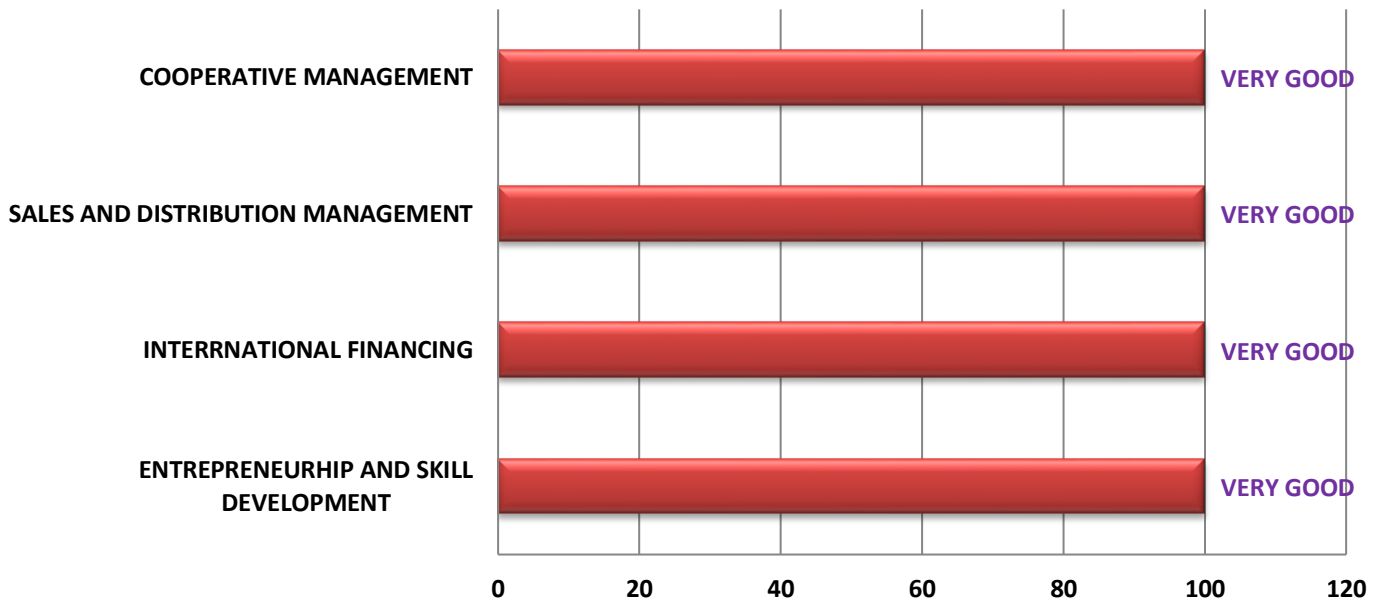


	ENGLISH	MARATHI	MANAGEMENT ACCOUNTING	ECONOMICS OF DEVELOPMENT	COMPANY LAW	INDIAN INSURANCE SYSTEM-II	INDIAN BANKING SYSTEM-II
■ PASSED PERCENTAGE (%)	100	100	100	100	100	100	100

## COURSE OUTCOME ATTAINMENT 2019-20 DEPARTMENT OF COMMERCE MASTER OF COMMERCE

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
M.COM II SEM IV	ENTREPRENEURSHIP AND SKILL DEVELOPMENT	100	4	VERY GOOD
	INTERNATIONAL FINANCING	100	4	VERY GOOD
	SALES AND DISTRIBUTION MANAGEMENT	100	4	VERY GOOD
	COOPERATIVE MANAGEMENT	100	4	VERY GOOD

## COURSE OUTCOME ATTAINMENT



	ENTREPRENEURSHIP AND SKILL DEVELOPMENT	INTERNATIONAL FINANCING	SALES AND DISTRIBUTION MANAGEMENT	COOPERATIVE MANAGEMENT
<span style="color: red;">■</span> PASSED PERCENTAGE (%)	100	100	100	100



COURSE OUTCOME ATTAINMENT 2019-2020 ARTS DEPARTMENT						
COURSE NAME	NAME OF SUBJECT	NO.OF STUDENTS APPREAD FOR EXAM	NO.OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
BA SEM-I	ENGLISH (B.A. SEM-I)	155	18	11.61	1	UNSATISFACTORY
	MARATHI ( SEM-I)	155	80	51	3	GOOD
	MARATHI LITERATURE (SEM-I)	26	08	31	2	SATISFACTORY
	ECONOMICS (SEM-I)	56	10	17.85	1	UNSATISFACTORY
	HOME ECONOMICS(B.A. SEM-I)	96	46	48	2	SATISFACTORY
	POLITICAL SCIENCE (SEM-I)	118	30	25.42	2	SATISFACTORY
	HISTORY(SEM-I)	60	17	28.33	2	SATISFACTORY
	GEOGRAPHY(SEM-I)	104	46	44.23	2	SATISFACTORY
	STATISTICS(SEM-I)	14	07	50	3	GOOD
BA SEM-II	ENGLISH (B.A. SEM-II)	138	132	95.65	4	VERY GOOD
	MARATHI ( SEM-II)	138	136	99	4	VERY GOOD
	MARATHI LITERATURE (SEM-II)	23	22	97	4	VERY GOOD
	ECONOMICS (SEM-II)	46	46	100	4	VERY GOOD
	HOME ECONOMICS(B.A. SEM-II)	81	77	95.6	4	VERY GOOD
	POLITICAL SCIENCE (SEM-II)	97	96	98.96	4	VERY GOOD
	HISTORY(SEM-II)	54	52	94.50	4	VERY GOOD
	GEOGRAPHY(SEM-II)	96	93	96.87	4	VERY GOOD
	STATISTICS(SEM-II)	13	13	100	4	VERY GOOD
BA SEM-III	ENGLISH (B.A. SEM-III)	74	33	44.59	2	SATISFACTORY
	MARATHI ( SEM-III)	81	48	59	3	GOOD
	MARATHI LITERATURE (SEM-III)	10	05	50	3	GOOD
	ECONOMICS (SEM-III)	22	08	36.36	2	SATISFACTORY
	HOME ECONOMICS(B.A. SEM-III)	39	29	74.35	4	VERY GOOD
	POLITICAL SCIENCE (SEM-III)	55	39	70.90	3	GOOD
	HISTORY(SEM-III)	29	24	82.70	4	VERY GOOD
	GEOGRAPHY(SEM-III)	49	43	87.75	4	VERY GOOD

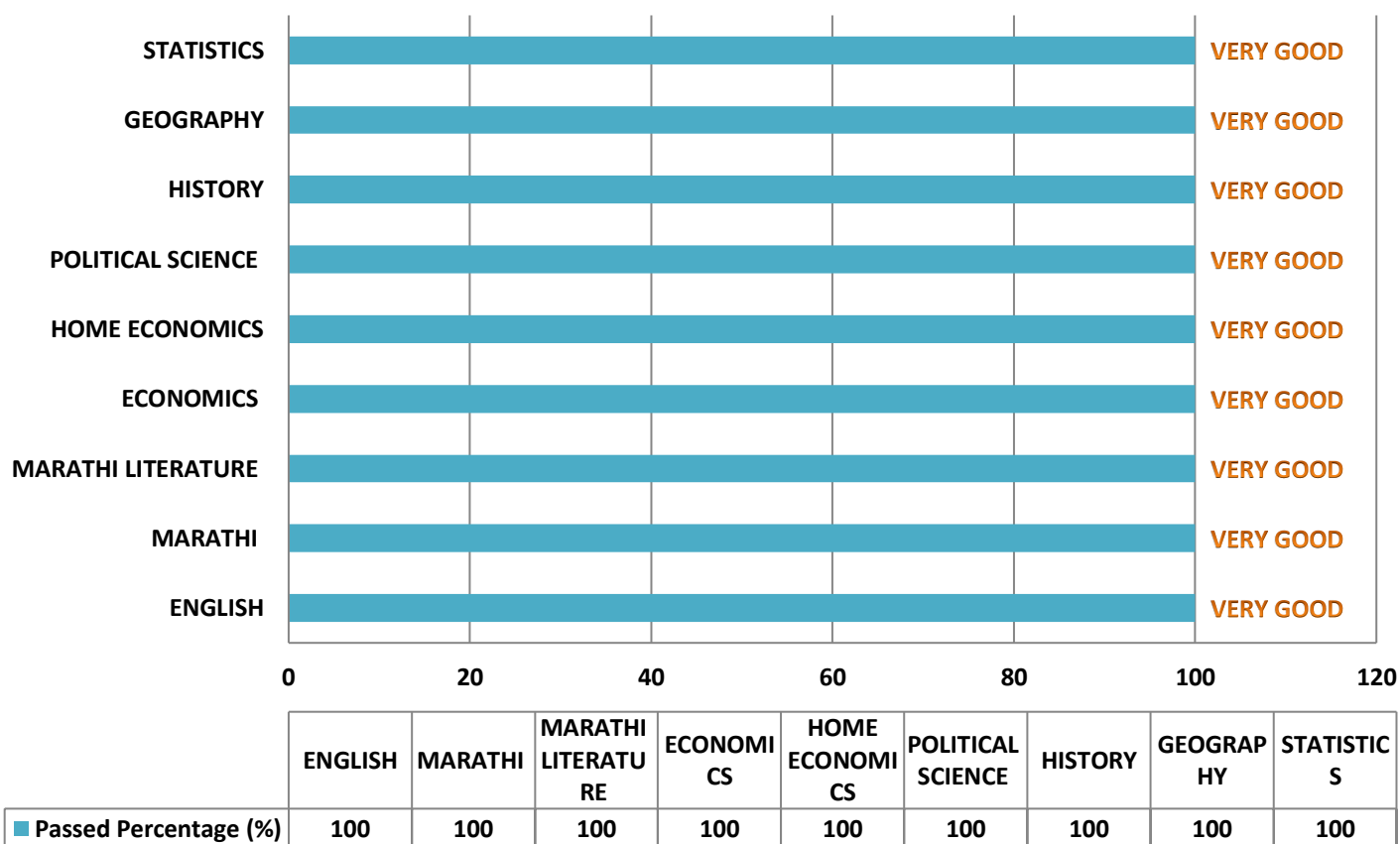
	STATISTICS(SEM-III)	04	04	100	4	VERY GOOD
BA SEM-IV	ENGLISH (B.A. SEM-IV)	65	64	98.46	4	VERY GOOD
	MARATHI ( SEM-IV)	64	64	100	4	VERY GOOD
	MARATHI LITERATURE (SEM-IV)	08	08	100	4	VERY GOOD
	ECONOMICS (SEM-IV)	19	17	89.47	4	VERY GOOD
	HOME ECONOMICS(B.A. SEM-IV)	30	30	100	4	VERY GOOD
	POLITICAL SCIENCE (SEM- IV)	54	53	98.14	4	VERY GOOD
	HISTORY(SEM-IV)	29	29	100	4	VERY GOOD
	GEOGRAPHY(SEM-IV)	46	46	100	4	VERY GOOD
	STATISTICS(SEM-IV)	06	06	100	4	VERY GOOD
BA SEM-V	ENGLISH (B.A. SEM-V)	21	06	28.57	2	SATISFACTORY
	MARATHI ( SEM-V)	21	18	85	4	VERY GOOD
	MARATHI LITERATURE (SEM-V)	08	04	50	3	GOOD
	ECONOMICS (SEM-V)	08	08	100	4	VERY GOOD
	HOME ECONOMICS(SEM-V)	49	49	100	4	VERY GOOD
	POLITICAL SCIENCE (SEM- V)	49	18	36.73	2	SATISFACTORY
	HISTORY(SEM-V)	14	05	35.70	2	SATISFACTORY
	GEOGRAPHY(SEM-V)	13	11	84.61	4	VERY GOOD
	STATISTICS(SEM-V)	01	01	100	4	VERY GOOD
BA SEM-VI	ENGLISH (B.A. SEM-VI)	23	23	100	4	VERY GOOD
	MARATHI ( SEM-VI)	23	23	100	4	VERY GOOD
	MARATHI LITERATURE (SEM-VI)	07	07	100	4	VERY GOOD
	ECONOMICS (SEM-VI)	09	09	100	4	VERY GOOD
	HOME ECONOMICS(B.A. SEM-VI)	08	08	100	4	VERY GOOD
	POLITICAL SCIENCE (SEM- VI)	20	20	100	4	VERY GOOD
	HISTORY(SEM-VI)	11	11	100	4	VERY GOOD
	GEOGRAPHY(SEM-VI)	13	13	100	4	VERY GOOD
	STATISTICS(SEM-VI)	01	01	100	4	VERY GOOD

# COURSE OUTCOME ATTAINMENT 2019-20

## DEPARTMENT OF ARTS

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
B.A.	ENGLISH (B.A. SEM-VI)	100	4	VERY GOOD
	MARATHI (SEM-IV)	100	4	VERY GOOD
	MARATHI LITERATURE (SEM-IV)	100	4	VERY GOOD
	ECONOMICS (SEM-VI)	100	4	VERY GOOD
	HOME ECONOMICS (B.A. SEM-VI)	100	4	VERY GOOD
	POLITICAL SCIENCE (SEM-VI)	100	4	VERY GOOD
	HISTORY (SEM-VI)	100	4	VERY GOOD
	GEOGRAPHY (SEM-VI)	100	4	VERY GOOD
	STATISTICS (SEM-VI)	100	4	VERY GOOD

### COURSE OUTCOME ATTAINMENT



# COURSE OUTCOME ATTAINMENT 2019-20

## DEPARTMENT OF SCIENCE

COURSE NAME	NAME OF SUBJECT	NO. OF STUDENTS APPEAR FOR EXAM	NO. OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
B.S.C. SEM-I	B.Sc. I SEM I ENGLISH	126	66	52.38	3	GOOD
	B.Sc. I SEM I PHYSICS	63	28	44.44	2	SATISFACTORY
	B.Sc. I SEM I CHEMISTRY	101	46	45.54	2	SATISFACTORY
	B.Sc. I SEM I MATHEMATICS	64	15	23.44	1	UNSATISFACTORY
	B.Sc. I SEM I COMPUTER SCIENCE	27	08	29.63	2	SATISFACTORY
	B.Sc. I SEM I BOTANY	46	30	65.21	3	GOOD
B.S.C. SEM-II	B.Sc. I SEM II ENGLISH	115	113	98.26	4	VERY GOOD
	B.Sc. I SEM II PHYSICS	68	66	97.06	4	VERY GOOD
	B.Sc. I SEM II CHEMISTRY	93	92	98.92	4	VERY GOOD
	B.Sc. I SEM II MATHEMATICS	59	57	96.61	4	VERY GOOD
	B.Sc. I SEM II COMPUTER SCIENCE	25	25	100	4	VERY GOOD
	B.Sc. I SEM II BOTANY	47	42	89.36	4	VERY GOOD
B.S.C. SEM-III	B.Sc. I SEM III PHYSICS	54	22	40.74	2	SATISFACTORY
	B.Sc. I SEM III CHEMISTRY	84	35	41.66	2	SATISFACTORY
	B.Sc. I SEM III MATHEMATICS	46	37	80.43	4	VERY GOOD
	B.Sc. I SEM III COMPUTER SCIENCE	20	05	25	2	SATISFACTORY
	B.Sc. I SEM III BOTANY	49	23	46.93	2	SATISFACTORY
B.S.C. SEM-IV	B.Sc. I SEM IV PHYSICS	53	53	100	4	VERY GOOD
	B.Sc. I SEM IV CHEMISTRY	80	79	98.75	4	VERY GOOD
	B.Sc. I SEM IV MATHEMATICS	45	45	100	4	VERY GOOD
	B.Sc. I SEM IV COMPUTER SCIENCE	31	31	100	4	VERY GOOD
	B.Sc. I SEM IV BOTANY	50	46	92	4	VERY GOOD
B.S.C. SEM-V	B.Sc. I SEM V PHYSICS	-	-	-	-	-
	B.Sc. I SEM V CHEMISTRY	68	37	54.41	3	GOOD
	B.Sc. I SEM V MATHEMATICS	49	32	65.31	3	GOOD
	B.Sc. I SEM V COMPUTER SCIENCE	20	05	25	2	SATISFACTORY
	B.Sc. I SEM V BOTANY	-	-	-	-	-
B.S.C. SEM-VI	B.Sc. I SEM VI PHYSICS	54	53	98.15	4	VERY GOOD
	B.Sc. I SEM VI CHEMISTRY	66	66	100	4	VERY GOOD
	B.Sc. I SEM VI MATHEMATICS	50	50	100	4	VERY GOOD
	B.Sc. I SEM VI COMPUTER SCIENCE	20	20	100	4	VERY GOOD
	B.Sc. I SEM VI BOTANY	-	-	-	-	-
MSC SEM I CHEMISTRY	INORGANIC CHEMISTRY	23	16	69.56	3	GOOD
	ORGANIC CHEMISTRY-I	23	12	52.17	3	GOOD
	PHYSICAL CHEMISTRY-I	23	16	69.56	3	GOOD
	MODERN METHODS OF SEPARATION	23	11	47.82	2	SATISFACTORY
MSC SEM II	CO-ORDINATION CHEMISTRY	22	22	100	4	VERY GOOD

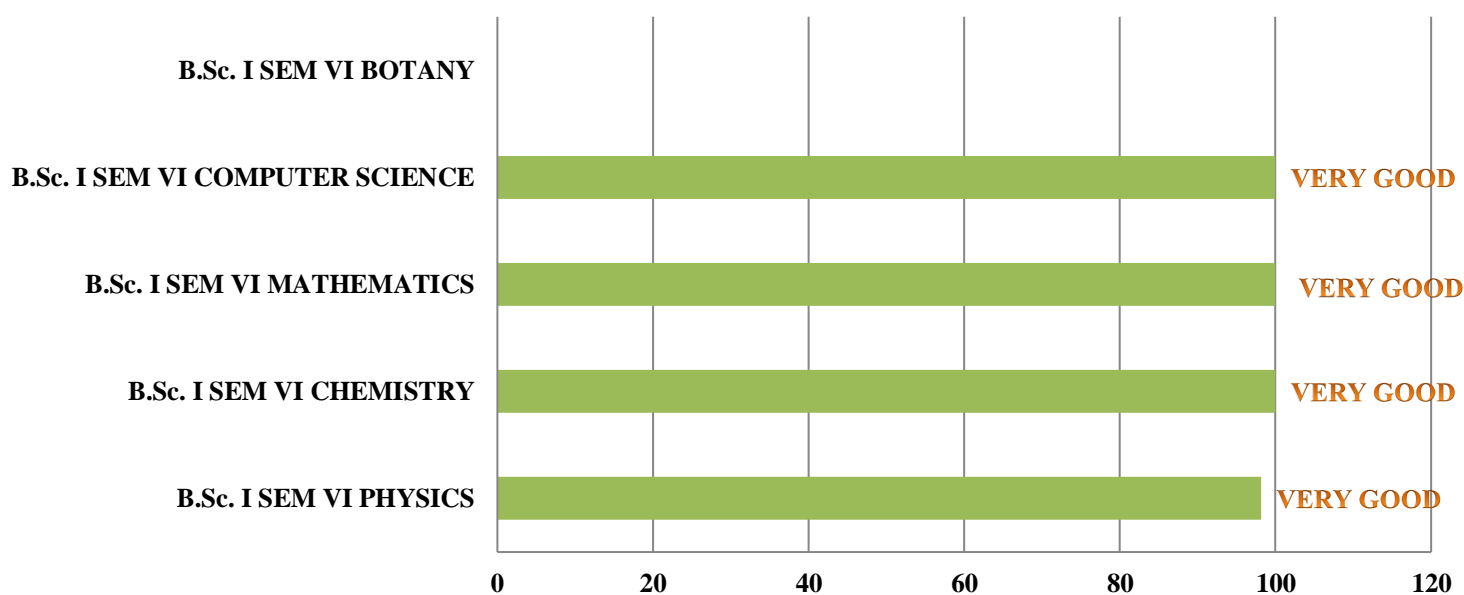
	ORGANIC CHEMISTRY-II	22	22	100	4	VERY GOOD
	PHYSICAL CHEMISTRY-II	22	22	100	4	VERY GOOD
	OPTICAL METHOD AND ENV. CHEMISTRY	22	22	100	4	VERY GOOD
MSC SEM III	SPECTROSCOPY-I	18	12	66.66	3	GOOD
	ANALYTICAL CHEMISTRY	19	12	63.15	3	GOOD
	ORGANIC SYNTHESIS-I	19	13	68.42	3	GOOD
	NATURAL PRODUCT-I	20	12	60	3	GOOD
MSC SEM IV	SPECTROSCOPY-II	20	20	100	4	VERY GOOD
	GENERAL ANALYTICAL CHEMISTRY	20	20	100	4	VERY GOOD
	ORGANIC SYNTHESIS-II	20	20	100	4	VERY GOOD
	NATURAL PRODUCT-II	20	20	100	4	VERY GOOD
MSC SEM I MATHEMATICS	REAL ANALYSIS	37	10	27.03	2	SATISFACTORY
	AEC ON REAL ANALYSIS	35	09	25.71	2	SATISFACTORY
	ADV.ABSTRACT ALGEBRA	38	15	39.47	2	SATISFACTORY
	COMPLEX ANALYSIS	42	18	42.85	2	SATISFACTORY
	TOPOLOGY-I	42	40	95.24	4	VERY GOOD
	DIFFERENTIAL GEOMETRY	37	10	27.03	2	SATISFACTORY
MSC SEM II	MEASURE AND INTEGRATION THEORY	44	44	100	4	VERY GOOD
	ADV. LINEAR ALGEBRA & FIELD THEORY	44	44	100	4	VERY GOOD
	INTEGRAL EQUATION	44	44	100	4	VERY GOOD
	TOPOLOGY-II	44	44	100	4	VERY GOOD
	RIEMANNIAN GEOMETRY	44	44	100	4	VERY GOOD
MSC SEM III	FUNCTIONAL ANALYSIS-I	43	17	39.53	2	SATISFACTORY
	ADVANCED MECHANICS	41	06	14.63	1	UNSATISFACTORY
	OPERATIONS RESEARCH	43	29	67.44	3	GOOD
	GENERAL RELATIVITY	44	23	52.27	3	GOOD
	FLUID DYNAMICS-I	21	19	90.48	4	VERY GOOD
MSC SEM IV	FUNCTIONAL ANALYSIS-II	45	42	93.33	4	VERY GOOD
	PARTIAL DIFF. EQUATIONS	45	40	88.89	4	VERY GOOD
	NUMERICAL ANALYSIS	45	40	88.89	4	VERY GOOD
	RELATIVISTIC COSMOLOGY	45	40	88.89	4	VERY GOOD
	FLUID DYNAMICS-II	23	22	95.65	4	VERY GOOD

# COURSE OUTCOME ATTAINMENT 2019-20

## DEPARTMENT OF SCIENCE

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
B.S.C. SEM-II	B.Sc. I SEM VI PHYSICS	98.15	4	VERY GOOD
	B.Sc. I SEM VI CHEMISTRY	100	4	VERY GOOD
	B.Sc. I SEM VI MATHEMATICS	100	4	VERY GOOD
	B.Sc. I SEM VI COMPUTER SCIENCE	100	4	VERY GOOD
	B.Sc. I SEM VI BOTANY	-	-	-

### COURSE OUTCOME ATTAINMENT

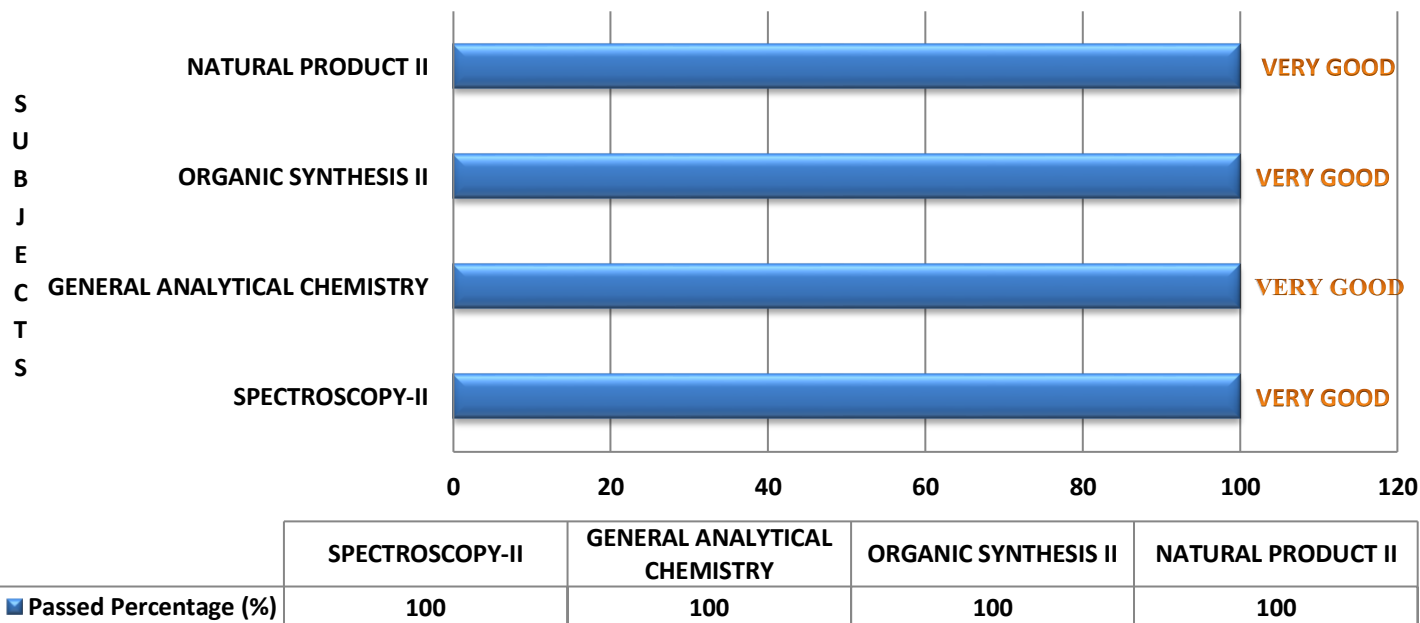


	B.Sc. I SEM VI PHYSICS	B.Sc. I SEM VI CHEMISTRY	B.Sc. I SEM VI MATHEMATICS	B.Sc. I SEM VI COMPUTER SCIENCE	B.Sc. I SEM VI BOTANY
Passed Percentage (%)	98.15	100	100	100	0

**COURSE OUTCOME ATTAINMENT 2019-20**  
**DEPARTMENT OF SCIENCE**  
**M.SC CHEMISTRY**

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
MSC CHEMISTRY	SPECTROSCOPY-II	100	4	VERY GOOD
	GENERAL ANALYTICAL CHEMISTRY	100	4	VERY GOOD
	ORGANIC SYNTHESIS-II	100	4	VERY GOOD
	NATURAL PRODUCT-II	100	4	VERY GOOD

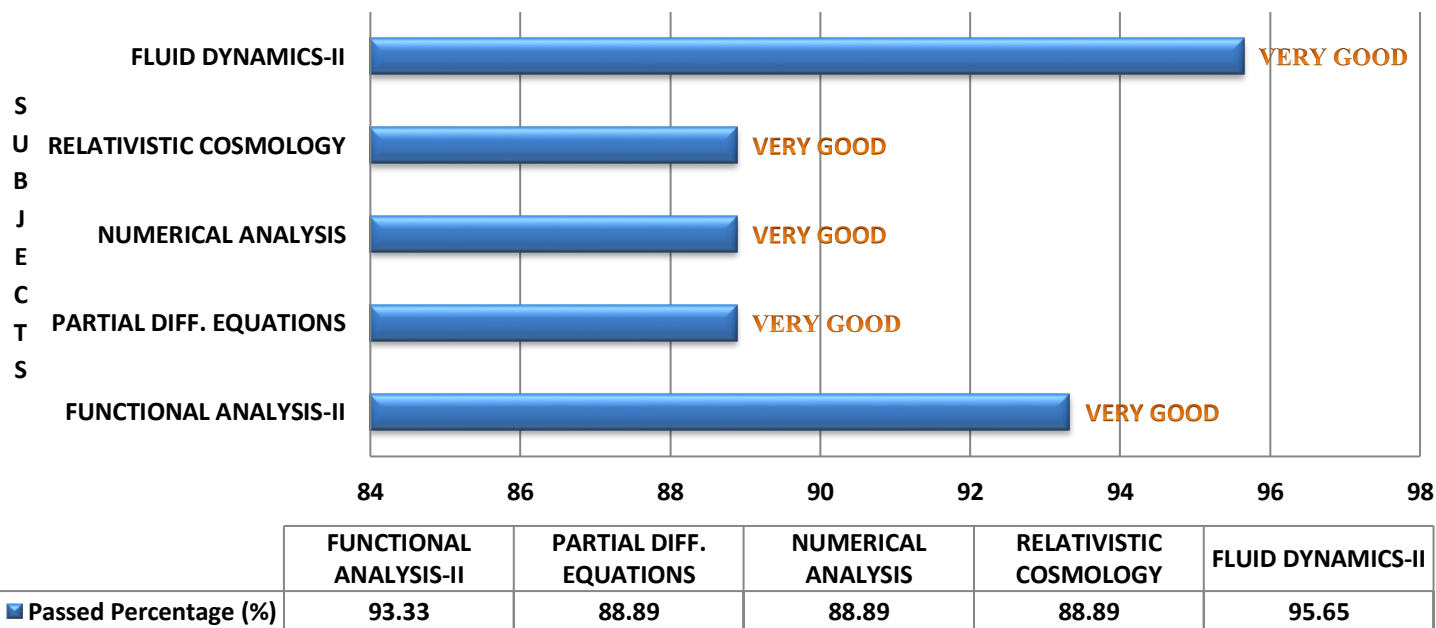
**COURSE OUTCOME ATTAINMENT**  
**DEPARTMENT OF SCIENCE**  
**M.SC CHEMISTRY**



**COURSE OUTCOME ATTAINMENT 2019-20**  
**DEPARTMENT OF SCIENCE**  
**M.SC MATHEMATICS**

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
MSC MATHEMATICS	FUNCTIONAL ANALYSIS-II	93.33	4	VERY GOOD
	PARTIAL DIFF. EQUATIONS	88.89	4	VERY GOOD
	NUMERICAL ANALYSIS	88.89	4	VERY GOOD
	RELATIVISTIC COSMOLOGY	88.89	4	VERY GOOD
	FLUID DYNAMICS-II	95.65	4	VERY GOOD

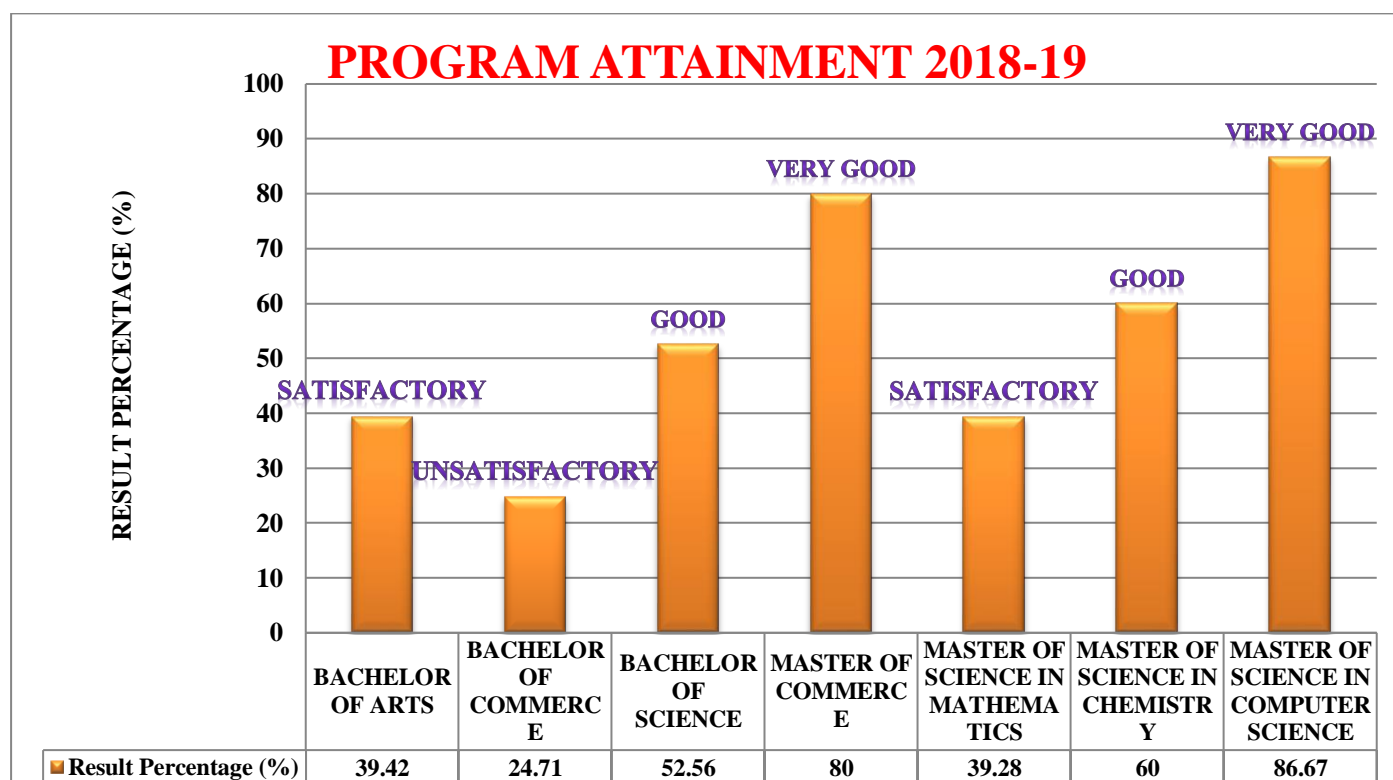
**COURSE OUTCOME ATTAINMENT**  
**DEPARTMENT OF SCIENCE**  
**M.SC MATHEMATICS**





## PROGRAM ATTAINMENT 2018-19

PROGRAM OUTCOME ATTAINMENT 2018-19						
YEAR	NAME OF THE EXAMINATION	NO. OF STUDENTS APPEARED FOR EXAM	NO. OF STUDENTS PASSED IN THE EXAM	RESULT PERCENTAGE (%)	PO ATTAINMENT LEVEL	GRADE
2018-19	BACHELOR OF ARTS	104	41	39.42	2	SATISFACTORY
	BACHELOR OF COMMERCE	89	22	24.71	1	UNSATISFACTORY
	BACHELOR OF SCIENCE	78	41	52.56	3	GOOD
	MASTER OF COMMERCE	10	8	80	4	VERY GOOD
	MASTER OF SCIENCE IN MATHEMATICS	56	22	39.28	2	SATISFACTORY
	MASTER OF SCIENCE IN CHEMISTRY	20	12	60	3	GOOD
	MASTER OF SCIENCE IN COMPUTER SCIENCE	15	13	86.67	4	VERY GOOD



## PROGRAM SPECIFIC OUTCOME ATTAINMENT 2018-19

S.N.	NAME OF THE EXAMINATION	NO. OF STUDENTS APPEARED FOR EXAM	NO. OF STUDENTS PASSED IN THE EXAM	RESULT PERCENTAGE (%)	NO. OF STUDENTS PASSED IN DISTINCTION	NO. OF STUDENTS PASSED IN FIRST CLASS	NO. OF STUDENTS PASSED IN SECOND CLASS	NO. OF STUDENTS PASSED IN THIRD CLASS	NO. OF STUDENTS PASSED IN DISTINCTION (%)	NO. OF STUDENTS PASSED IN FIRST CLASS (%)	NO. OF STUDENTS PASSED IN SECOND CLASS (%)	NO. OF STUDENTS PASSED IN THIRD CLASS (%)	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
1	B.COM PART I SEM II	111	33	29.46	00	18	15	00	00	54	45.45	00	2	NIL	3	2	NIL	2.33	SATISFACTORY
2	B.COM PART II SEM IV	65	20	30.77	00	02	18	00	00	10	90	00	2	NIL	1	1	NIL	1.34	UNSATISFACTORY
3	B.COM PART III	89	22	25.29	00		22	00	00	00	100	00	2	NIL		1	NIL	1.5	UNSATISFACTORY
4	M.COM PART I SEM II	18	07	38.89	00	02	05	00	00	28.57	71.42	00	2	NIL	2	2	NIL	2	SATISFACTORY
5	M.COM PART II SEM IV	10	08	80	00	03	05	00	00	37.5	62.5	00	4	NIL	2	2	NIL	2.66	SATISFACTORY
6	B.A. Part-I (Sem.II)	166	29	17.46	00	15	14	00	00	51.72	48.27	00	1	NIL	3	3	NIL	2.33	SATISFACTORY
7	B.A. Part-II (Sem.IV)	81	08	9.87	00	03	05	00	00	37.5	62.5	00	1	NIL	2	2	NIL	1.66	UNSATISFACTORY
8	B.A. Part-III	104	41	39.42	00	05	31	00	00	35.71	75.60	00	2	NIL	2	1	NIL	1.66	UNSATISFACTORY
9	B.Sc. I SEM II	125	41	32.8	00	12	29	00	00	29.26	70.73	00	2	NIL	2	2	NIL	2	SATISFACTORY
10	B.Sc. II SEM IV	101	25	24.75	04	15	06	00	16	60	24	00	1	1	3	4	NIL	2.25	SATISFACTORY
11	B.Sc. III SEM VI	78	41	52.56	03	26	12	00	07.31	63.42	29.27	00	3	1	3	3	NIL	2.25	SATISFACTORY
12	M.Sc. I SEM II MATHEMATICS	41	16	39.02	0	06	10	00	00	37.50	62.50	00	2	NIL	2	2	NIL	2	SATISFACTORY
13	M.Sc. I SEM IV MATHEMATICS	56	22	39.28	0	06	14	00	00	27.27	63.63	00	2	NIL	2	2	NIL	2	SATISFACTORY
14	M.Sc. I SEM II CHEMISTRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	M.Sc. I SEM IV CHEMISTRY	20	12	60	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-

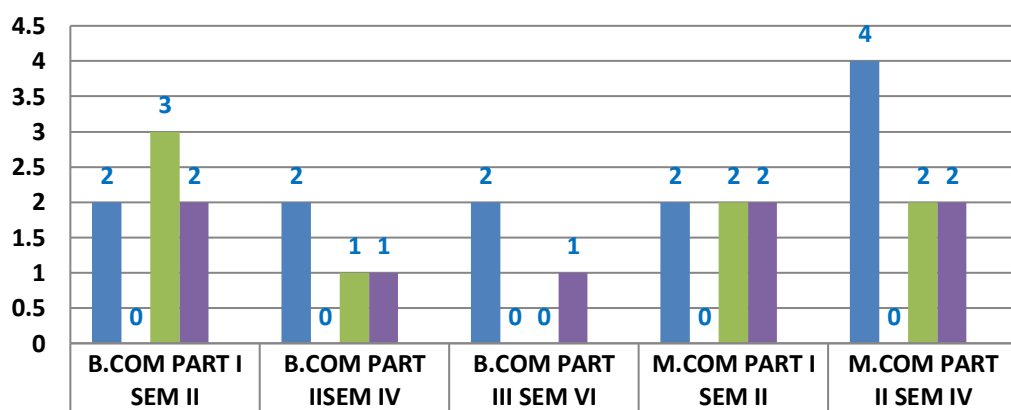
## PARAMETER WISE PROGRAM SPECIFIC OUTCOME ATTAINMENT(PSO)

### DEPARTMENT OF COMMERCE AND MANAGEMENT

NAME OF THE EXAMINATION	PARAMETER I (RESULT %)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.COM PART I SEM II	2	NIL	3	2	NIL
B.COM PART II SEM IV	2	NIL	1	1	NIL
B.COM PART III SEM VI	2	NIL	NIL	1	NIL
M.COM PART I SEM II	2	NIL	2	2	NIL
M.COM PART II SEM IV	4	NIL	2	2	NIL

## PROGRAM SPECIFIC OUTCOME ATTAINMENT

PARAMETERS

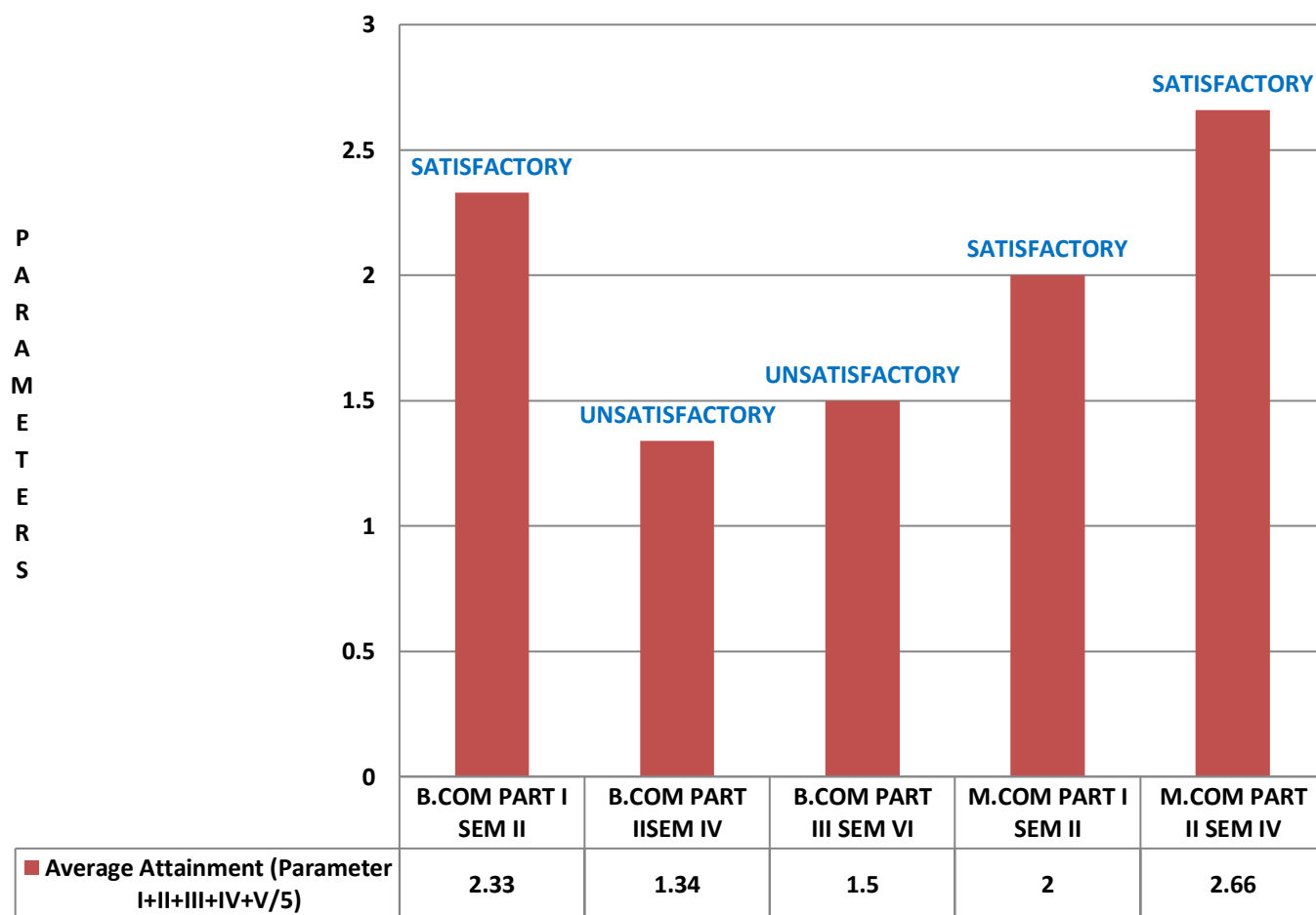


Parameter I (Result %)	2	2	2	2	4
Parameter II (Passed in Distinction)	0	0	0	0	0
Parameter III (Passed in First Class)	3	1	0	2	2
Parameter IV (Passed in Second Class)	2	1	1	2	2
Parameter V (Passed in Third Class)	0	0	0	0	0

## DEPARTMENT OF COMMERCE & MANAGEMENT

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.COM PART I SEM II	2	NIL	3	2	NIL	2.33	SATISFACTORY
B.COM PART II SEM IV	2	NIL	1	1	NIL	1.34	UNSATISFACTORY
B.COM PART III SEM VI	2	NIL	NIL	1	NIL	1.5	UNSATISFACTORY
M.COM PART I SEM II	2	NIL	2	2	NIL	2	SATISFACTORY
M.COM PART II SEM IV	4	NIL	2	2	NIL	2.66	SATISFACTORY

### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)

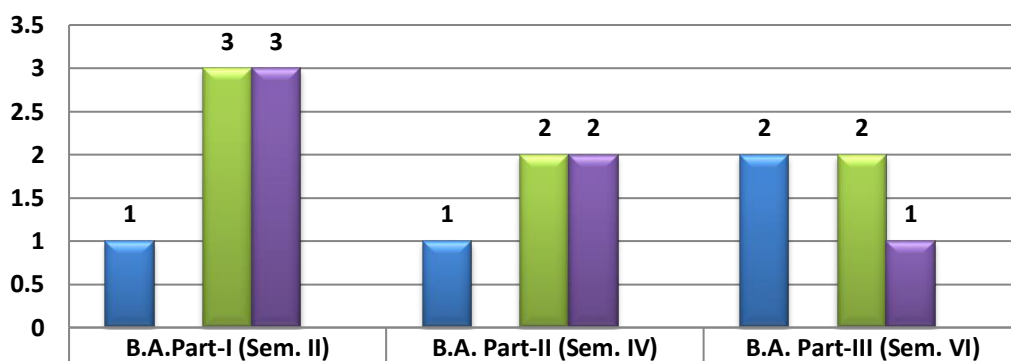


## DEPARTMENT OF ARTS

NAME OF THE EXAMINATION	PARAMETER I (RESULT %)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.A. PART-I (SEM. II)	1	NIL	3	3	NIL
B.A. PART-II (SEM. IV)	1	NIL	2	2	NIL
B.A. PART-III (SEM. VI)	2	NIL	2	1	NIL

### PROGRAM SPECIFIC OUTCOME ATTAINMENT

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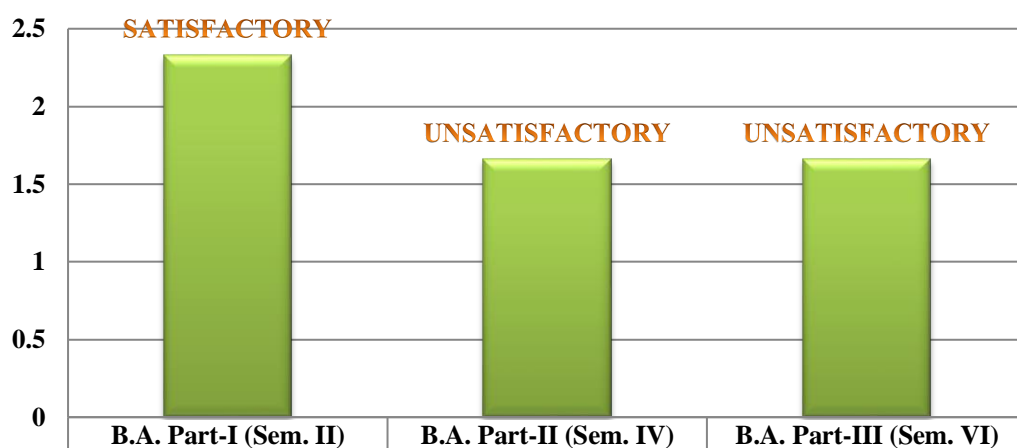
Parameter I (Result %)	1	1	2
Parameter II (Passed In Distinction)	3	2	2
Parameter III (Passed In First Class)	3	2	2
Parameter IV (Passed in Second Class)	3	2	1
Parameter V (Passed in Third Class)	0	0	0

- Parameter I (Result %)
- Parameter II (Passed In Distinction)
- Parameter III (Passed In First Class)
- Parameter IV (Passed in Second Class)
- Parameter V (Passed in Third Class)

## DEPARTMENT OF ARTS

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.A. PART-I (SEM. II)	1	NIL	3	3	NIL	2.33	SATISFACTORY
B.A. PART-II (SEM. IV)	1	NIL	2	2	NIL	1.66	UNSATISFACTORY
B.A. PART-III (SEM. VI)	2	NIL	2	1	NIL	1.66	UNSATISFACTORY

### AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)



■ Average Attainment (Parameter I+II+III+IV+V/5)

2.33

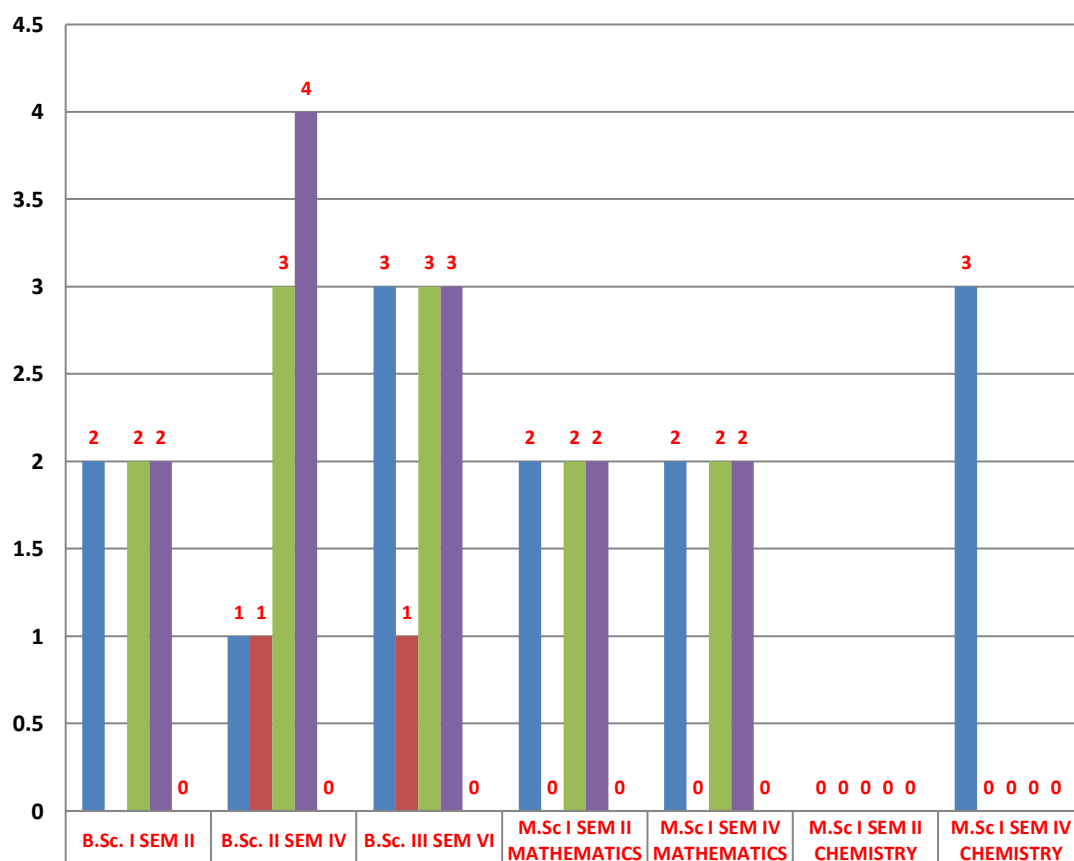
1.66

1.66

## SCIENCE DEPARTMENT

NAME OF THE EXAMINATION	PARAMETER I (RESULT %)	PARAMETER II (PASSED IN DISTINCTION)	PARAMETER III (PASSED IN FIRST CLASS)	PARAMETER IV (PASSED IN SECOND CLASS)	PARAMETER V (PASSED IN THIRD CLASS)
B.SC. I SEM II	2		2	2	NIL
B.SC. II SEM IV	1	1	3	4	NIL
B.SC. III SEM VI	3	1	3	3	NIL
M.SC I SEM II MATHEMATICS	2	NIL	2	2	NIL
M.SC I SEM IV MATHEMATICS	2	NIL	2	2	NIL
M.SC I SEM II CHEMISTRY	-	-	-	-	-
M.SC I SEM IV CHEMISTRY	3	-	-	-	-

### PROGRAM SPECIFIC OUTCOME ATTAINMENT

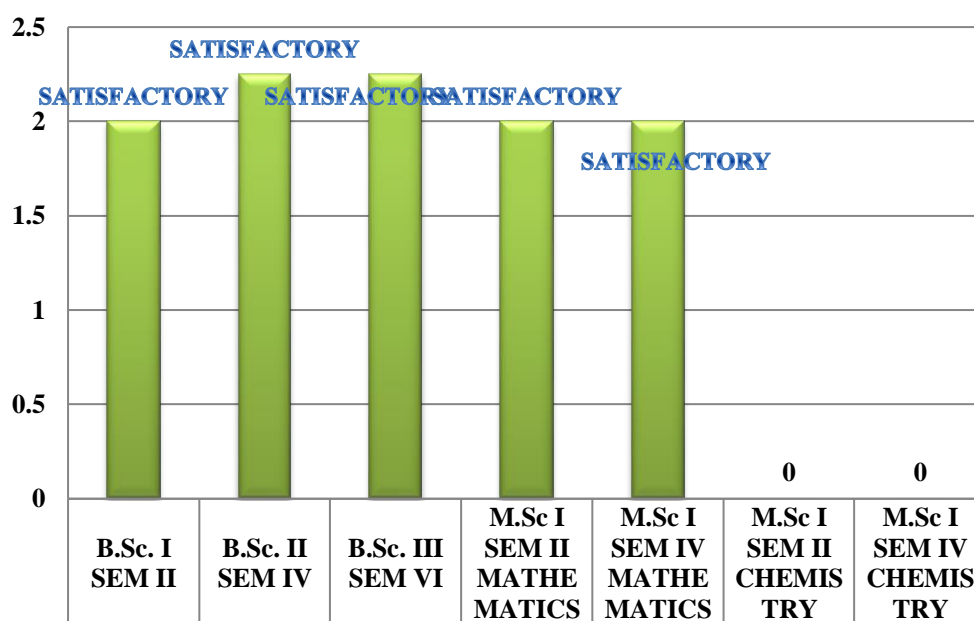


Parameter I (Result %)	2	1	3	2	2	0	3
Parameter II (Passed in Distinction)		1	1	0	0	0	0
Parameter III (Passed in First Class)	2	3	3	2	2	0	0
Parameter IV (Passed in Second Class)	2	4	3	2	2	0	0
Parameter V (Passed in Third Class)	0	0	0	0	0	0	0

## DEPARTMENT OF SCIENCE

NAME OF THE EXAMINATION	PARAMETER I	PARAMETER II	PARAMETER III	PARAMETER IV	PARAMETER V	AVERAGE ATTAINMENT (PARAMETER I+II+III+IV+V/5)	GRADE
B.SC. I SEM II	2		2	2		2	SATISFACTORY
B.SC. II SEM IV	1	1	3	4		2.25	SATISFACTORY
B.SC. III SEM VI	3	1	3	3		2.25	SATISFACTORY
M.SC I SEM II MATHEMATICS	2	NIL	2	2	NIL	2	SATISFACTORY
M.SC I SEM IV MATHEMATICS	2	NIL	2	2	NIL	2	SATISFACTORY
M.SC I SEM II CHEMISTRY	-	-	-	-	-	-	-
M.SC I SEM IV CHEMISTRY	3	-	-	-	-	-	-

### Average Attainment (Parameter I+II+III+IV+V/5)



■ Average Attainment (Parameter I+II+III+IV+V/5)

B.Sc. I SEM II	B.Sc. II SEM IV	B.Sc. III SEM VI	M.Sc I SEM II MATHEMATICS	M.Sc I SEM IV MATHEMATICS	M.Sc I SEM II CHEMISTRY	M.Sc I SEM IV CHEMISTRY
2	2.25	2.25	2	2	0	0



# COURSE OUTCOME ATTAINMENT 2018-19

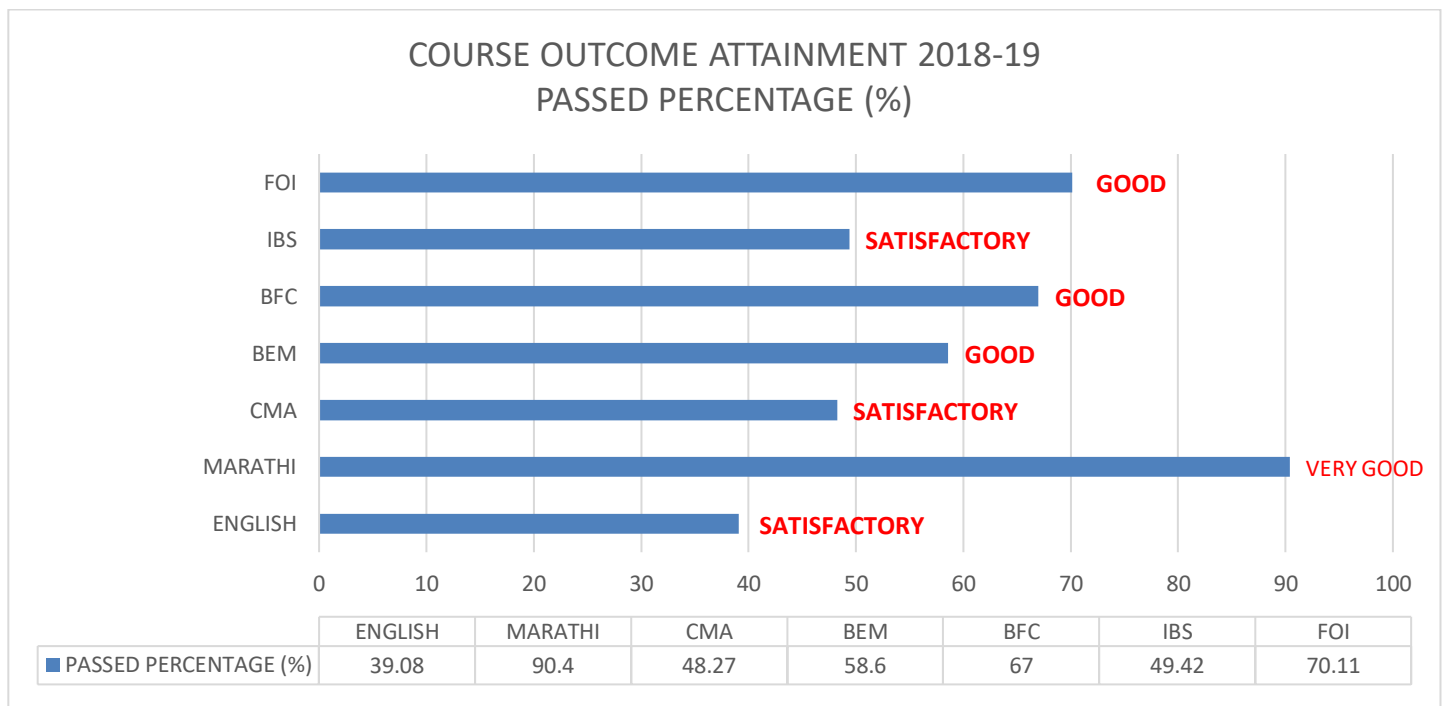
S.N.	NAME OF SUBJECT	NO. OF STUDENTS APPEAR FOR EXAM	NO. OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
<b>B.COM PART I SEM I</b>	<b>ENGLISH</b>	110	49	44	2	<b>SATISFACTORY</b>
	<b>MARATHI</b>	110	62	56	3	<b>GOOD</b>
	<b>PRINCIPLES OF ECONOMICS</b>	110	74	67	3	<b>GOOD</b>
	<b>ADVANCED ACCOUNTANCY</b>	110	67	60	3	<b>GOOD</b>
	<b>PRINCIPLES OF BUSINESS ORGANISATION</b>	110	101	91	4	<b>VERY GOOD</b>
	<b>COMPUTER FUNDAMENTALS &amp; OPERATING SYSTEM-1</b>	110	97	88	4	<b>VERY GOOD</b>
<b>B.COM PART II SEM II</b>	<b>ENGLISH</b>	111	40	36	2	<b>SATISFACTORY</b>
	<b>MARATHI</b>	111	74	66	3	<b>GOOD</b>
	<b>BUSINESS ECONOMICS</b>	111	91	81	4	<b>VERY GOOD</b>
	<b>FINANCIAL ACCOUNTING</b>	111	67	60	3	<b>GOOD</b>
	<b>PRINCIPLES OF BUSINESS MANAGEMENT</b>	111	63	56	3	<b>GOOD</b>
	<b>COMPUTER FUNDAMENTALS &amp; OPERATING SYSTEM-2</b>	111	64	57	3	<b>GOOD</b>
<b>B.COM PART III SEM III</b>	<b>ENGLISH</b>	66	50	75.75	4	<b>VERY GOOD</b>
	<b>MARATHI</b>	66	64	96.99	4	<b>VERY GOOD</b>
	<b>COMPANY ACCOUNT</b>	66	30	45	2	<b>VERY GOOD</b>
	<b>BUSINESS MATHEMATICS</b>	66	55	83	4	<b>VERY GOOD</b>
	<b>AUDITING</b>	66	47	71	3	<b>GOOD</b>
	<b>MONITORIAL SYSTEM</b>	66	35	53	3	<b>GOOD</b>
	<b>INFORMATION TECHNOLOGY &amp; BUSINESS DATA PROCESSING-1</b>	66	64	96	4	<b>VERY GOOD</b>
<b>B.COM PART IV SEM IV</b>	<b>ENGLISH</b>	65	30	50	3	<b>GOOD</b>
	<b>MARATHI</b>	65	43	66	3	<b>GOOD</b>

	<b>CORPORATE ACCOUNTING</b>	65	32	49	2	<b>SATISFACTORY</b>
	<b>BUSINESS STATISTICS</b>	65	32	49	2	<b>SATISFACTORY</b>
	<b>INCOME TAX</b>	65	29	44	2	<b>SATISFACTORY</b>
	<b>INDIAN FINANCIAL SYSTEM</b>	65	58	89	4	<b>VERY GOOD</b>
	<b>INFORMATION TECHNOLOGY &amp; BUSINESS DATA PROCESSING -2</b>	65	58	89	4	<b>VERY GOOD</b>
<b>B.COM PART III ANNUAL PATTERN</b>	<b>ENGLISH</b>	87	34	39.08	2	<b>SATISFACTORY</b>
	<b>MARATHI</b>	87	79	90.40	4	<b>VERY GOOD</b>
	<b>CMA</b>	87	42	48.27	2	<b>SATISFACTORY</b>
	<b>BEM</b>	87	51	58.60	3	<b>GOOD</b>
	<b>BFC</b>	87	58	67	3	<b>GOOD</b>
	<b>IBS</b>	87	43	49.42	2	<b>SATISFACTORY</b>
	<b>FOI</b>	87	61	70.11	3	<b>GOOD</b>
<b>M.COM I SEM I</b>	<b>MANAGERIAL ECONOMICS</b>	35	19	54	3	<b>GOOD</b>
	<b>SERVICES MARKETING &amp; CRM</b>	35	13	37	2	<b>SATISFACTORY</b>
	<b>ADVANCED FINANCIAL ACCOUNTING</b>	35	05	14	1	<b>UNSATISFACTORY</b>
	<b>BANKING &amp; INSURANCE</b>	35	27	77	4	<b>VERY GOOD</b>
<b>M.COM I SEM II</b>	<b>ACCOUNTING FOR MANAGEMENT</b>	18	10	55	3	<b>GOOD</b>
	<b>STRATEGIC MANAGEMENT</b>	18	17	94	4	<b>VERY GOOD</b>
	<b>MANAGEMENT CONCEPT &amp; OB</b>	18	09	50	3	<b>GOOD</b>
	<b>COMPUTER APPLICATION FOR BUSINESS</b>	18	07	38	2	<b>SATISFACTORY</b>
<b>M.COM II SEM III</b>	<b>RESEARCH METHODOLOGY</b>	13	13	100	4	<b>VERY GOOD</b>
	<b>STATISTICAL ANALYSIS</b>	13	12	92	4	<b>VERY GOOD</b>
	<b>CORPORATE TAX &amp; MANAGEMENT</b>	13	05	38	2	<b>SATISFACTORY</b>
	<b>E-COMMERCE &amp; LEGAL SECURITY</b>	13	12	92	4	<b>VERY GOOD</b>
	<b>ENTREPRENEURSHIP AND SKILL DEVELOPMENT</b>	10	08	80	4	<b>VERY GOOD</b>

<b>M.COM II SEM IV</b>	<b>INTERNATIONAL FINANCING</b>	10	09	90	4	<b>VERY GOOD</b>
	<b>SALES AND DISTRIBUTION MANAGEMENT</b>	10	09	90	4	<b>VERY GOOD</b>
	<b>COOPERATIVE MANAGEMENT</b>	10	10	100	4	<b>VERY GOOD</b>

**COURSE OUTCOME ATTAINMENT 2018-19**  
**DEPARTMENT OF COMMERCE**  
**BACHELOR OF COMMERCE**

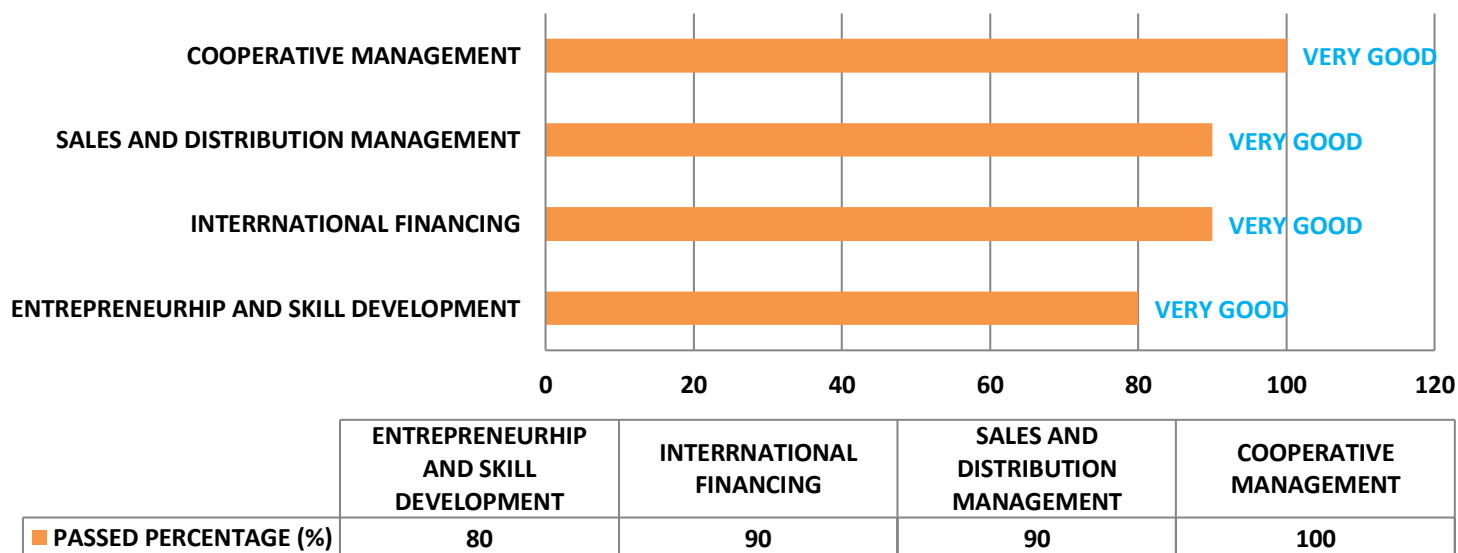
DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
<b>B.COM PART III ANNUAL PATTERN</b>	<b>ENGLISH</b>	39.08	2	<b>SATISFACTORY</b>
	<b>MARATHI</b>	90.40	4	<b>VERY GOOD</b>
	<b>CMA</b>	48.27	2	<b>SATISFACTORY</b>
	<b>BEM</b>	58.60	3	<b>GOOD</b>
	<b>BFC</b>	67	3	<b>GOOD</b>
	<b>IBS</b>	49.42	2	<b>SATISFACTORY</b>
	<b>FOI</b>	70.11	3	<b>GOOD</b>



**COURSE OUTCOME ATTAINMENT 2018-19**  
**DEPARTMENT OF COMMERCE**  
**MASTER OF COMMERCE**

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
M.COM II SEM IV	ENTREPRENEURSHIP AND SKILL DEVELOPMENT	80	4	VERY GOOD
	INTERNATIONAL FINANCING	90	4	VERY GOOD
	SALES AND DISTRIBUTION MANAGEMENT	90	4	VERY GOOD
	COOPERATIVE MANAGEMENT	100	4	VERY GOOD

**COURSE OUTCOME ATTAINMENT 2018-19**  
**PASSED PERCENTAGE (%)**



# COURSE OUTCOME ATTAINMENT 2018-19

## DEPARTMENT OF ARTS

COURSE NAME	NAME OF SUBJECT	NO.OF STUDENTS APPREAD FOR EXAM	NO.OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE(%)	CO ATTAINMENT LEVEL	GRADE
BA SEM-I	ENGLISH(B.A.SEM-I)	134	20	14.92	1	UNSATISFACTORY
	MARATHI(SEM-I)	134	95	71	4	VERY GOOD
	MARATHI LITERATURE (SEM-I)	35	15	45	2	SATISFACTORY
	ECONOMICS(SEM-I)	61	29	47.54	2	SATISFACTORY
	HOME ECONOMICS(B.A.SEM-I)	81	73	90	4	VERY GOOD
	POLITICALSCIENCE(SEM-I)	66	54	81.81	4	VERY GOOD
	HISTORY(SEM-I)	69	31	44.90	2	SATISFACTORY
	GEOGRAPHY(SEM-I)	97	56	57.73	3	GOOD
	STATISTICS(SEM-I)	14	13	92.85	4	VERY GOOD
BA SEM-II	ENGLISH (B.A. SEM-II)	119	93	78.15	4	VERY GOOD
	MARATHI ( SEM-II)	118	93	79	4	VERY GOOD
	MARATHI LITERATURE (SEM-II)	23	10	43	2	SATISFACTORY
	ECONOMICS (SEM-II)	44	14	31.81	2	SATISFACTORY
	HOME ECONOMICS(B.A. SEM-II)	78	49	63	3	GOOD
	POLITICAL SCIENCE (SEM-II)	93	51	54.83	3	GOOD
	HISTORY (SEM-II)	54	25	46.20	2	SATISFACTORY
	GEOGRAPHY(SEM-II)	83	68	81.92	4	VERY GOOD
	STATISTICS(SEM-II)	9	7	77.77	4	VERY GOOD
BA SEM-III	ENGLISH (B.A. SEM-III)	76	34	44.73	2	SATISFACTORY
	MARATHI ( SEM-III)	73	57	78	4	VERY GOOD
	MARATHI LITERATURE (SEM-III)	18	17	94	4	VERY GOOD
	ECONOMICS (SEM-III)	24	18	75	4	VERY GOOD
	HOME ECONOMICS (B.A. SEM-III)	49	35	71.42	3	GOOD
	POLITICAL SCIENCE (SEM-III)	42	22	52.38	3	GOOD
	HISTORY(SEM-III)	44	23	52.20	3	GOOD
	GEOGRAPHY(SEM-III)	44	31	70.45	3	GOOD
	STATISTICS(SEM-III)	09	06	66.66	3	GOOD
BA SEM-IV	ENGLISH (B.A. SEM-IV)	68	24	35.29	2	
	MARATHI ( SEM-IV)	67	50	78	4	VERY GOOD
	MARATHI LITERATURE (SEM-IV)	14	11	79	4	VERY GOOD
	ECONOMICS (SEM-IV)	22	09	40.90	2	SATISFACTORY
	HOME ECONOMICS(B.A. SEM-IV)	48	39	81.25	4	VERY GOOD
	POLITICAL SCIENCE (SEM-IV)	40	25	62.50	3	GOOD
	HISTORY(SEM-IV)	37	06	16.20	1	UNSATISFACTORY
	GEOGRAPHY(SEM-IV)	43	21	48.83	2	SATISFACTORY

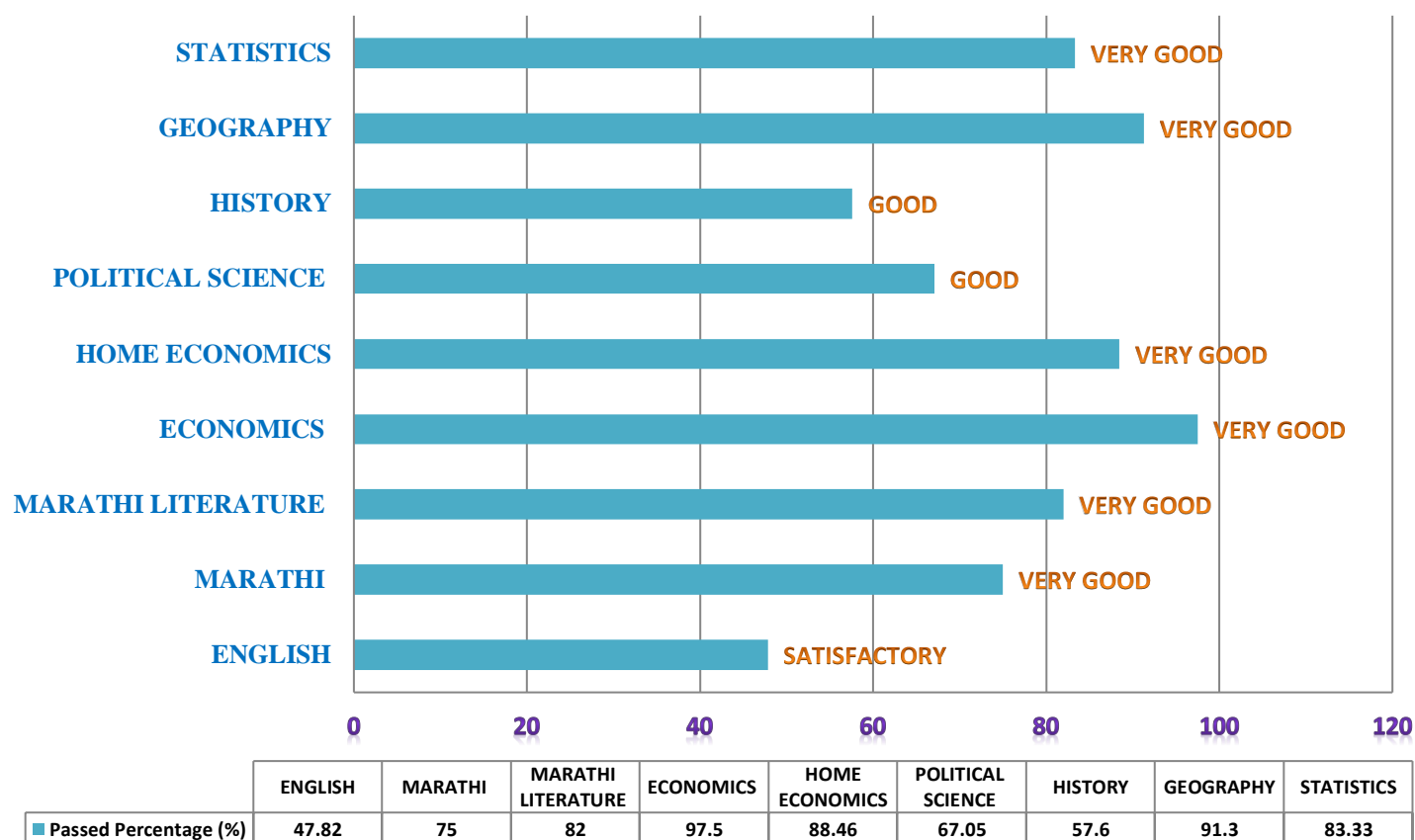
	<b>STATISTICS(SEM-IV)</b>	09	04	44.44	2	<b>SATISFACTORY</b>
<b>BA III</b>	<b>ENGLISH</b>	69	33	47.82	2	<b>SATISFACTORY</b>
	<b>MARATHI</b>	101	90	75	4	<b>VERY GOOD</b>
	<b>MARATHI LITERATURE</b>	17	14	82	4	<b>VERY GOOD</b>
	<b>ECONOMICS</b>	40	39	97.50	4	<b>VERY GOOD</b>
	<b>HOME ECONOMICS</b>	52	46	88.46	4	<b>VERY GOOD</b>
	<b>POLITICAL SCIENCE</b>	85	57	67.05	3	<b>GOOD</b>
	<b>HISTORY</b>	52	30	57.60	3	<b>GOOD</b>
	<b>GEOGRAPHY</b>	69	63	91.30	4	<b>VERY GOOD</b>
	<b>STATISTICS</b>	6	5	83.33	4	<b>VERY GOOD</b>

## COURSE OUTCOME ATTAINMENT 2018-19

### DEPARMENT OF ARTS

<b>DEGREE</b>	<b>NAMEOFSUBJECT</b>	<b>PASSED PERCENTAGE (%)</b>	<b>CO ATTAINM ENTLEVEL</b>	<b>GRADE</b>
<b>B.A.III</b>	<b>ENGLISH</b>	47.82	2	SATISFACTORY
	<b>MARATHI</b>	75	4	VERY GOOD
	<b>MARATHI LITERATURE</b>	82	4	VERY GOOD
	<b>ECONOMICS</b>	97.50	4	VERY GOOD
	<b>HOME ECONOMICS</b>	88.46	4	VERY GOOD
	<b>POLITICAL SCIENCE</b>	67.05	3	GOOD
	<b>HISTORY</b>	57.60	3	GOOD
	<b>GEOGRAPHY</b>	91.30	4	VERY GOOD
	<b>STATISTICS</b>	<b>83.33</b>	<b>4</b>	VERY GOOD

## COURSE OUTCOME ATTAINMENT 2018-19



## COURSE OUTCOME ATTAINMENT 2018-19 DEPARTMENT OF SCIENCE

COURSE NAME	NAME OF SUBJECT	NO. OF STUDENTS APPEAR FOR EXAM	NO. OF STUDENTS PASSED IN THE SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
B.S.C.	B.S.C. I SEM I ENGLISH	118	73	61.86	3	GOOD
	B.S.C. I SEM I PHYSICS	58	55	94.82	4	VERY GOOD
	B.S.C. I SEM I CHEMISTRY	89	57	64.04	3	GOOD
	B.S.C. I SEM I MATHEMATICS	51	34	66.57	3	GOOD
	B.S.C. I SEM I COMPUTER SCIENCE	33	28	84.84	4	VERY GOOD
	B.S.C. I SEM I BOTANY	-	-	-	-	-
B.S.C.	B.S.C. I SEM II ENGLISH	115	81	70.43	3	GOOD
	B.S.C. I SEM II PHYSICS	58	24	41.37	2	SATISFACTORY
	B.S.C. I SEM II CHEMISTRY	89	26	29.21	2	SATISFACTORY
	B.S.C. I SEM II MATHEMATICS	50	38	74	3	GOOD
	B.S.C. I SEM II COMPUTER SCIENCE	33	25	75.75	4	VERY GOOD
	B.S.C. I SEM II BOTANY	55	46	83.63	4	VERY GOOD
B.S.C.	B.S.C. I SEM III PHYSICS	58	35	60.34	3	GOOD

	B.SC. I SEM III CHEMISTRY	81	45	55.55	3	GOOD
	B.SC. I SEM III MATHEMATICS	56	53	94.64	4	VERY GOOD
	B.SC. I SEM III COMPUTER SCIENCE	20	05	25	2	SATISFACTORY
	B.SC. I SEM III BOTANY	55	24	43.64	2	SATISFACTORY
B.S.C.	B.SC. I SEM IV PHYSICS	57	20	41.37	2	SATISFACTORY
	B.SC. I SEM IV CHEMISTRY	81	26	32.10	2	SATISFACTORY
	B.SC. I SEM IV MATHEMATICS	55	42	76.36	4	VERY GOOD
	B.SC. I SEM IV COMPUTER SCIENCE	22	07	31.82	2	SATISFACTORY
	B.SC. I SEM IV BOTANY	53	25	47.17	2	SATISFACTORY
B.S.C.	B.SC. I SEM V PHYSICS	41	21	51.22	3	GOOD
	B.SC. I SEM V CHEMISTRY	68	47	69.12	3	GOOD
	B.SC. I SEM V MATHEMATICS	33	31	93.94	4	VERY GOOD
	B.SC. I SEM V COMPUTER SCIENCE	18	13	72.22	3	GOOD
	B.SC. I SEM V BOTANY	20	18	90	4	VERY GOOD
B.S.C.	B.SC. I SEM VI PHYSICS	41	25	60.98	3	GOOD
	B.SC. I SEM VI CHEMISTRY	69	40	57.97	3	GOOD
	B.SC. I SEM VI MATHEMATICS	33	28	84.85	4	VERY GOOD
	B.SC. I SEM VI COMPUTER SCIENCE	18	09	50	3	GOOD
	B.SC. I SEM VI BOTANY	20	09	45	2	SATISFACTORY
MSC SEM I CHEMISTRY	INORGANIC CHEMISTRY	-	-	-	-	-
	ORGANIC CHEMISTRY-I	-	-	-	-	-
	PHYSICAL CHEMISTRY-I	-	-	-	-	-
	MODERN METHODS OF SEPARATION	-	-	-	-	-
MSC SEM II	CO-ORDINATION CHEMISTRY	22	8	36.36	2	SATISFACTORY
	ORGANIC CHEMISTRY-II	22	7	31.81	2	SATISFACTORY
	PHYSICAL CHEMISTRY-II	23	13	56.52	3	GOOD
	OPTICAL METHOD AND ENV. CHEMISTRY	22	9	40.90	2	SATISFACTORY
MSC SEM III	SPECTROSCOPY-I	19	04	21	1	UNSATISFACTORY
	ANALYTICAL CHEMISTRY	19	19	100	4	VERY GOOD
	ORGANIC SYNTHESIS-I	19	17	89.47	4	VERY GOOD
	NATURAL PRODUCT-I	19	14	73.68	3	GOOD
MSC SEM IV	SPECTROSCOPY-II	20	19	95	4	VERY GOOD
	GENERAL ANALYTICAL CHEMISTRY	20	20	100	4	VERY GOOD
	ORGANIC SYNTHESIS-II	20	13	65	3	GOOD
	NATURAL PRODUCT-II	20	17	85	4	VERY GOOD
MSC SEM I MATHEMATICS	REAL ANALYSIS	46	19	41.30	2	SATISFACTORY



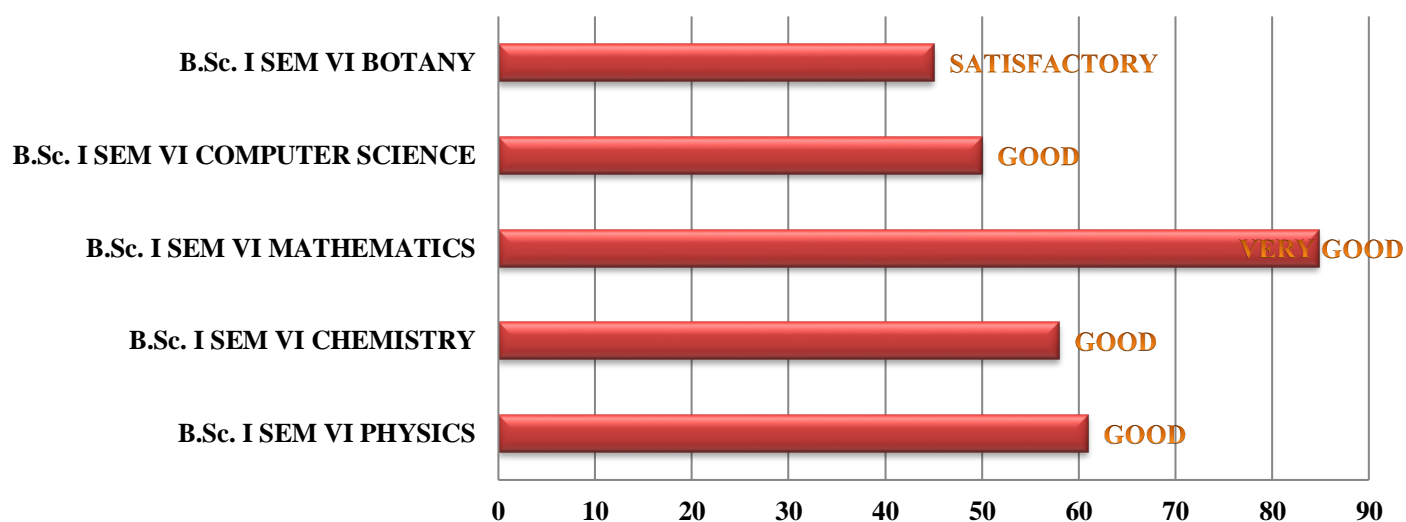
TICS	AEC ON REAL ANALYSIS	46	11	23.91	1	UNSATISFACTORY
	ADV.ABSTRACT ALGEBRA	46	27	58.70	3	GOOD
	COMPLEX ANALYSIS	46	35	76.09	4	VERY GOOD
	TOPOLOGY-I	46	25	54.35	3	GOOD
	DIFFERENTIAL GEOMETRY	46	19	41.30	2	SATISFACTORY
MSC SEM II	MEASURE AND INTEGRATION THEORY	41	32	78.05	4	VERY GOOD
	ADV. LINEAR ALGEBRA & FIELD THEORY	41	22	53.66	3	GOOD
	INTEGRAL EQUATION	41	36	87.80	4	VERY GOOD
	TOPOLOGY-II	41	22	53.66	3	GOOD
	RIEMANNIAN GEOMETRY	41	38	92.68	4	VERY GOOD
MSC SEM III	FUNCTIONAL ANALYSIS-I	51	30	58.82	3	GOOD
	ADVANCED MECHANICS	51	31	60.78	3	GOOD
	OPERATIONS RESEARCH	51	38	74.51	3	GOOD
	GENERAL RELATIVITY	51	22	43.14	2	SATISFACTORY
	FLUID DYNAMICS-I	51	38	74.51	3	GOOD
MSC SEM IV	FUNCTIONAL ANALYSIS-II	56	50	89.29	4	VERY GOOD
	PARTIAL DIFF. EQUATIONS	57	40	70.18	3	GOOD
	NUMERICAL ANALYSIS	49	30	61.22	3	GOOD
	RELATIVISTIC COSMOLOGY	56	27	48.21	2	SATISFACTORY
	FLUID DYNAMICS-II	27	24	86.67	4	VERY GOOD

## COURSE OUTCOME ATTAINMENT 2018-2019

### DEPARTMENT OF SCIENCE

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
B.S.C.	B.Sc. I SEM VI PHYSICS	60.98	3	GOOD
	B.Sc. I SEM VI CHEMISTRY	57.97	3	GOOD
	B.Sc. I SEM VI MATHEMATICS	84.85	4	VERY GOOD
	B.Sc. I SEM VI COMPUTER SCIENCE	50	3	GOOD
	B.Sc. I SEM VI BOTANY	45	2	SATISFACTORY

## COURSE OUTCOME ATTAINMENT

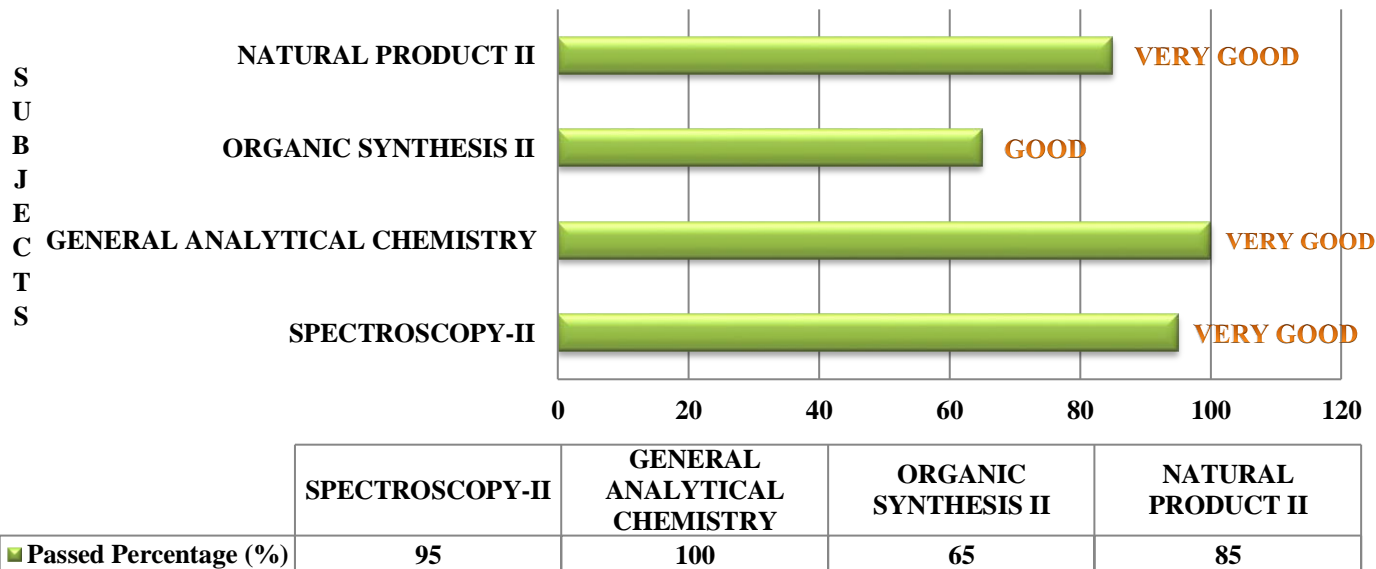


	B.Sc. I SEM VI PHYSICS	B.Sc. I SEM VI CHEMISTRY	B.Sc. I SEM VI MATHEMATICS	B.Sc. I SEM VI COMPUTER SCIENCE	B.Sc. I SEM VI BOTANY
Passed Percentage (%)	60.98	57.97	84.85	50	45

**COURSE OUTCOME ATTAINMENT 2018-19**  
**DEPARTMENT OF SCIENCE**  
**M.SC CHEMISTRY**

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
MSC CHEMISTRY	SPECTROSCOPY-II	95	4	VERY GOOD
	GENERAL ANALYTICAL CHEMISTRY	100	4	VERY GOOD
	ORGANIC SYNTHESIS-II	65	3	GOOD
	NATURAL PRODUCT-II	85	4	VERY GOOD

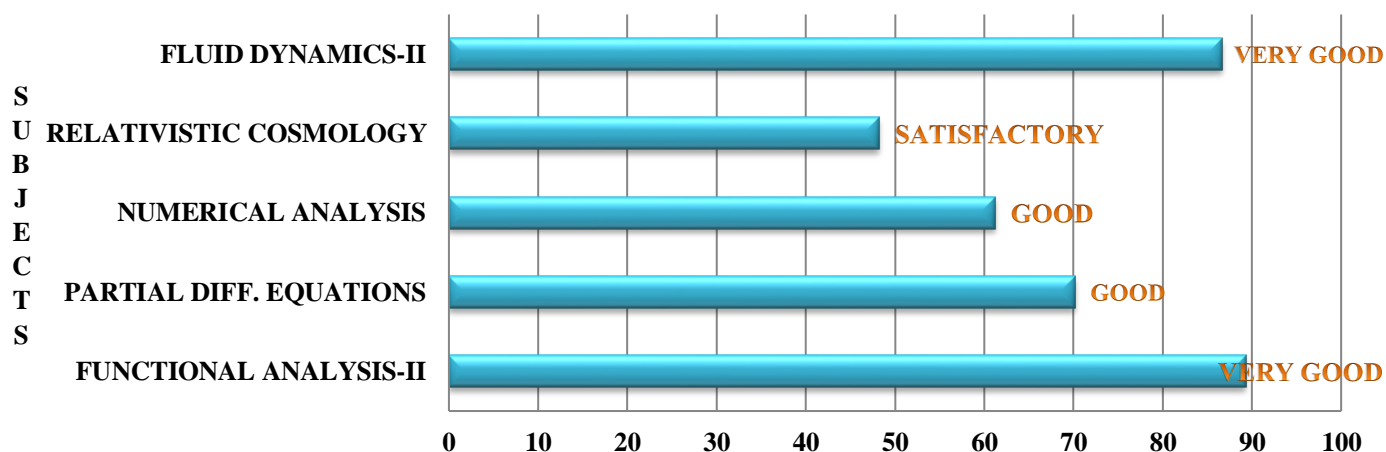
**COURSE OUTCOME ATTAINMENT**  
**DEPARTMENT OF SCIENCE**  
**M.SC CHEMISTRY**



**COURSE OUTCOME ATTAINMENT 2018-19**  
**DEPARTMENT OF SCIENCE**  
**M.SC MATHEMATICS**

DEGREE	NAME OF SUBJECT	PASSED PERCENTAGE (%)	CO ATTAINMENT LEVEL	GRADE
MSC MATHEMATICS	FUNCTIONAL ANALYSIS-II	89.29	4	VERY GOOD
	PARTIAL DIFF. EQUATIONS	70.18	3	GOOD
	NUMERICAL ANALYSIS	61.22	3	GOOD
	RELATIVISTIC COSMOLOGY	48.21	2	SATISFACTORY
	FLUID DYNAMICS-II	86.67	4	VERY GOOD

**COURSE OUTCOME ATTAINMENT**  
**DEPARTMENT OF SCIENCE**  
**M.SC MATHEMATICS**



	FUNCTIONAL ANALYSIS-II	PARTIAL DIFF. EQUATIONS	NUMERICAL ANALYSIS	RELATIVISTIC COSMOLOGY	FLUID DYNAMICS-II
Passed Percentage (%)	89.29	70.18	61.22	48.21	86.67