



## **JSS COLLEGE FOR WOMEN, CHAMARAJANAGARA**

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### **PROGRAMME OUTCOMES**

#### **Programme: B.A - History, Economics, Political Science (HEP)**

- History, Economics, Geography (HEG)**
- History, Economics, Kannada (HEK)**
- History, sociology, Geography(HSG)**

- The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough to solve the issues related with financial matters of day to day life.
- The B.A Graduates will be acquainted with the social, economical, historical, geographical tradition and thinking.
- This program makes Economics learner to serve country as economic adviser, Budget Analyst, Adviser to Planning Commission, Financial Adviser, Indian Economic Service, Indian Foreign service, Statistical officer, Data analyst and the many more.
- After the completion of B.A. Graduation in History, the students will be able to appear for competitive exams like IAS, KAS and other Civil Service Exams and they can serve as analysts, Museum curator and the like.
- The students will be able to demonstrate broad knowledge of historical events and their significance.
  - Graduation in Political Science empowers the students to work as an observer in the Union/State Election Commission.
  - Students will be able to explain the parliamentary system, issues and problems relating to the realization of Human Rights and gain knowledge about Political system of the Nation.
  - Students B.A will be eligible to pursue professional careers in Geography and allied disciplines like GIS and remote sensing. After completion of higher studies in Geography, students can work in Survey department and they can also work as Climatologist, Geomorphologies' and Hydrologists.
  - Students will be able to write report, editorials and letters.
  - Students will be able to appreciate the expressive use of language as fundamental and sustaining human activity, preparing for a life of learning as a reader and writer.



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### **COURSE OUTCOMES :DEPARTMENT OF KANNADA**

#### **SEMESTER I :KALAGANGOTHRI PART-1 (PADHYA AND GHADYA)**

##### **Poem:**

- Understanding the concepts of current trend of God by Kuvempu.
- Identify the influence of youth after independence by G.K.Adiga
- People are influenced to mechanical life not opened their eyes to feelings of humanity by G.S.S.
- Gandhian Era past and present by C.P.K
- Influence of sunrise to common people by Krishna Alanahalli
- Join hands to stop women harassment by Vijaya Dabbe
- Literacy light will influence human life by L.Hanumanthaiah
- Buddha preached peace but people follow violence by Ariptharaj

##### **Prose:**

- Independence struggle, movement and patriotism by Aanakru
- Women's world is penned with sensitive feelings by Vinaya Vokunda
- Discrimination between city and village by Pu.Ti.Na.
- Dr. Rajkumar's personality is introduced by Baraguru Ramachandrapappa.
- Palit or untouchable literacy can lead to achievement by Devanuru Mahadeva.

#### **SEMESTER II : KALAGANGOTHRI PART-2 (NATAKA AND KADAMBARI)**

##### **Nataka:**

- Identify in depth Giliyu Panjaradolilla drama by P.Lankesh.
- Specifying in details with example Pampa Bharatha by K.Y.Narayanaswamy.
- Identify the classification and characteristics of Santhimmi Purana by Dhu.Saraswathi

##### **Kadambari:**

- Detailed story and characters comes in the Novel Malegalalli Madhu Magalu by Kuvempu.
- Complete explanation of story and characters comes in the Novel Ghandi Bandha by H. Nagaveni
- Character Analysis in Krishna Mudrike by C.Mangala.

### **SEMESTER III : KALAGANGOTHRI PART-3 (KAVYA AND KHATHANA)**

#### **Kavya – Part 1:**

- Brother Sister Relationship in Folklore
- The Vachanagalu
- Identify the classification and characteristics of poems of Rathnakaravarni and Kumaravyasa.
- Sorrow of a Mother who lost her son by Shadakshari
- Description of speech and work by Someshwara.

#### **Khathana:**

- Environmental Knowledge, Protection of Wild life and Forest
- Muslim Women- Independence through Education
- Sailor's story in Neroda by H.S. Anupama
- Human feelings to the accident person by A.R. Mithra
- Autobiography of Imam Quasim by M. Siddappa.

### **SEMESTER III : KANNADA SAMVAHANA PATRIKE**

- Able to develop Language Skills
- Communication Skills
- Writing, Reading, Conversing and Spelling skills
- Interview facing

### **SEMESTER IV: KALAGANGOTHRI PART-4 (KAVYA AND BHASHE)**

#### **Kavya–Part 2**

- Sudhameye Prasanga by Shivakotyacharya
- Neelanjayana Nruthya by Pampa
- Dhruvadhana Vilapa by Ranna
- Thupperida Darpanadoli by Janna
- Karana Vighatane by Nagachandra
- Vachanagalu by P.K. Rajashekar

#### **Bhashe:**

- Learning of writing a letter
- Types: Official and personal letter writing, circulars, Advertisement, Publication letters, Report writing and Computer knowledge in Kannada.

**SEMESTER V : SAHITYA VIMARSHE MATTU PURAKA PATYA**

- Understanding the scope and nature of kavirajamarga
- Understand the concept of deshi sahitya swarupa
- Identify in details with application modern kannada sahitya
- Specify in details of dasa sahtitya

**SEMESTER IV : KANNADA VYAKARANA MATTU PURAKA PATYA**

- Understand the concept of rangana maduve
- Know the fundamental kathegalla parichaya
- Specify in details of pada jnana
- Understand the concept of vyakarana jnana



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### **COURSE OUTCOMES : DEPARTMENT OF SANSKRIT**

#### **SEMESTER I**

- Special understanding of the gadyakavya, kadambari, Chandra peedavidyabhyasaaha.
- Special introduction of Bana.
- Explanation of Doshokumorcharitham.
- Bharathasangraha of lakshmanasoori.
- Explanation of Karnaporwa.
- The life story of Madanmohana Malaviya grammar pertaining to the lesson

#### **SEMESTER II**

- Special introduction of mahakavivalmiki.
- How vibheeshanasharanagathi in Ramayana towards Rama.
- Introduction of Vyasakavi who wrote Mahabharatha.
- To enhance the interest of students toward Sanskrit literature through this story between living and non-living things.
- To enhance the students to know about Tatvachintaya.
- Grammar pertaining to the lesson.

#### **SEMESTER III**

- Extensive study on Kaviratnakalidasa.
- Explain the story of Dushyanta and Shakuntala.
- Knowing about the title of Nataka.
- Explaining about the duties of king.

#### **SEMESTER IV**

- Special narration about the Kavi Bhoja.
- Explaining the Sundrakanda of Champu Ramayana to students based on Ramayana.
- Explaining the story to show jumping over the sea of hanuman, obstacles he understand during the journey, entering the lake, conversation between Seetha and Anjaneeya.
- Teaching of grammar pertaining to the syllabus.
- Introduction about Champukavya and Champulakshana



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### **COURSE OUTCOMES: DEPARTMENT OF ENGLISH**

#### **SEMESTER I**

- Analyzing poetry to understand social issue through literature
- To move with prose it talks about social awareness in society
- Helps student to analyze the significance of myths and re-reading classics in which classified under broad themes.
- Student will cultivate how to develop passage and improves their speaking or listening skill.
- How to communicate and from a grammatically impressive discourse

#### **SEMESTER II**

- Observing the pan global cultures, values, traditions and lifestyle through the short stories and Travelogue
- Analyzing prose section totally talks about how people struggled to get freedom and their struggling to reach their goal
- Students develop their ability in communicating skills like writing paragraphs, framing question, punctuation and analyzing paragraph.

#### **SEMESTER III**

- The literary text provides powerful contexts to understand human situations in our world and show how they are expressed in English language.
- Understanding the disturbing anti-social practices prevalent in society like discrimination on the basis of class, creed, race, gender, language, religion and nationality..
- Awareness of the socially neglected yet powerful literary genres like Dalit Literature
- Develop the sensitivity towards the Social issues with the help of author like, MULKRAJ ANAND.

#### **SEMESTER IV**

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- Introducing them to the different genre of literature by introducing to drama
- Practical knowledge of how to face interviews, writing letters, reports, reviews, poetry, acknowledgements and references
- Develop sensitivity with the help of Plays
- Critically appreciate and analyze the drama



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### **COURSE OUTCOMES: ENVIRONMENTAL STUDIES**

#### **SEMESTER I/II**

- After studying this course students gain the knowledge of complex environmental issues.
- Students gain the knowledge of natural resources viz., forest resources water resources, mineral resources, food sources energy and land resources.,
- Students gain the comprehensive knowledge of energy flow in eco system, food chains, food webs and ecological pyramids.
- They should understand the types, characteristic features, structures and functions of forest, grass land, desert and aquatic eco systems.
- Students gain the knowledge about biodiversity at global, national and local levels and treats to biodiversity.
- They should understand the causes, effects and measures of air pollution, water pollution, soil pollution, marine pollution, thermal pollution, nuclear pollution, and nuclear hazards
- They gain the knowledge about water conservation. rain water harvesting, watershed management, and environmental ethics, global warming, acid rain, ozone layer depletion and environmental acts.
- Students should understand population growth, population explosion, human rights, HIV and, women welfare.

### **COURSE OUTCOMES: INDIAN CONSTITUTION**

#### **SEMESTER I/II**

- Salient feature of Citizenship
- Awareness about Fundamental Rights
- Knowledge of Directive principles of State policy
- Basic concepts of Fundamental Duties
- Understand the details of supreme court of India
- Specify in details the right to information act

## **COURSE OUTCOMES: DEPARTMENT OF HISTORY**

### **SEMESTER-I : HISTORY OF INDIA UP TO 1206 AD**

- Analysis the details of sources of ancient India
- Understand ancient achievements in Indian history
- How to changes in ancient india to birth of new religions
- Awakening golden age of gupta's period
- How to change Indian administration to Muslims

### **SEMESTER-II : HISTORY OF INDIA (1206 AD 1761 AD)**

- Understand the Muslim political achievements in middle india
- What are the changes in social and religious in middle india
- Learn art and architectural changes in mughal india
- What are the problem face Hindu people period of Muslims administration

### **SEMESTER-III: HISTORY OF MODERN INDIA (1757-1858 AD)**

- Understand the establishment of Europeans trade and commerce in india
- Learn British's establishment political supremacy in india
- How to abolish Indian trade, commerce and small scale industries by british's
- What are the problem face Hindu people period of Muslims administration

### **SEMESTER-IV : INDIAN NATIONAL MOVEMENT 1885-1947**

- How to increase national awareness to Indians
- What are the achievements of moderates in national movements
- What are the contributions of extremists in national movements
- Understand Gandhi's non co-operation movements

### **SEMESTER-V HISTORY AND CULTURE OF SOUTH INDIA. UP TO 1336 A.D.**

- Understand ancient south Indian political achievements
- Study the south Indian social and cultural evolution
- Understand in details with drawida style of art and archisrutcture
- Analysis the vesara style of monuments especial chalukya and Hoysalas

### **SEMESTER- HISTORY OF MODERN EUROPE (1789 TO 1945 A.D.)**

- Understand the world wars and its effects to mankind
- Understand European political social and religious aspects



- Techs paces is only remedy to survival of mankind
- Revolutions is one of the remedy to achievements

**COURSE OUTCOMES: DEPARTMENT OF ECONOMICS**  
**SEMESTER-I : INDIAN ECONOMY**

- To understand the basic characteristics of Economic Development and growth of Indian Economy.
- To acquire knowledge about Population, poverty and unemployment.
- To identify the role of agriculture and industry.
- To gain knowledge on trade, RBI, and financial sector reforms.
- To highlight the knowledge about Karnataka Economy.

**SEMESTER-II : PRINCIPLES OF MICRO ECONOMICS**

- To understand the basic concepts of micro economics.
- To apply the concept of consumer behaviour with the daily life examples
- To define and apply the concept of elasticity.
- To define scarcity and show how it relates to the concepts of Choice and cost.
- To identify the key elements of markets and models, to gain knowledge about product and factor pricing.

**SEMESTER-III : PRINCIPLES OF MACRO ECONOMICS**

- To understand the basic concepts of macro economics.
- To define how economic indicators are used to assess the state of the economy
- To gain knowledge about the concepts of Keynesian theory.
- To relate the causes and consequences of inflation with the current economic conditions
- To acquire knowledge about fiscal and monetary policy, and RATEX.

**SEMESTER-IV : MATHEMATICS AND STATISTICS FOR ECONOMICS**

- To carry out mathematical and statistical proofs to understand economics.
- To recognize where and how to use the mathematical and statistical knowledge in economics.
- To know about statistical measures such as mean, median, mode for analysis and interpretation of data.
- Analyze the different measures of dispersion that are useful in the field of research.

**SEMESTER-V : MANAGERIAL ECONOMICS-5**

- To understand the basic concepts of managerial economics.
- To analyze the applications of linear programming.
- To gain knowledge about demand forecasting techniques.
- To calculate profit and capital management.
- To develop the ideas of pricing of commodities and BEP.

**SEMESTER-VI : INTERNATIONAL ECONOMICS-9**

- To recognize the causes of trade.
- Students can try to understand terms of trade and commercial policies and the role of MNC's.
- Analyze BOP and Foreign exchange issues.
- To inculcate knowledge about IMF, IBRD, NIEO, SAARC, and BRICS.
- economic thinkers like Gandhi, Nehru, Ranade, Sir M Vishweshwaraiah.

## **COURSE OUTCOMES: DEPARTMENT OF GEOGRAPHY**

### **SEMESTER I : PHYSICAL GEOGRAPHY**

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- To understand the importance of longitudes and latitudes.
- To know the internal structure of the earth.
- To gain knowledge about the agents of denudation.
- To analyze the composition and structure of atmosphere.
- Relief features of ocean floor and ocean currents

### **SEMESTER I : PRACTICAL : MAPS AND SCALES, REPRESENTATION OF RELIEF FEATURES AND METEOROLOGICAL INSTRUMENTS**

- To understand the types of maps and scales.
- To gain knowledge about operating system of weather instruments.
- To know about the relief features

### **SEMESTER II : HUMAN GEOGRAPHY**

- To analyze the relationship between man and environment.
- To know about the races and modes of life of mankind with religion.

### **SEMESTER II PRACTICAL : MAP PROJECTIONS**

- To learn how to construct cylindrical, conical, Zenithal and conventional projection.

### **SEMESTER III: REGIONAL GEOGRAPHY OF THE WORLD**

- To know about the relief features, mineral resources and power resources of the world.
- To gain knowledge about the human life style and human activities as well as modes of transportation.

### **SEMESTER III PRACTICAL : CARTOGRAMS AND DISTRIBUTIONS OF MAPS**

- To learn constructing thematic maps and graphs.

### **SEMESTER IV : REGIONAL GEOGRAPHY OF INDIA**

- To understand the location, physiographic, drainage, climate and vegetation of India.
- To gain knowledge about the features, problems and prospects of Agriculture.
- To analyze the human resources, power and mineral resources.

### **SEMESTER IV PRACTICAL : BASIC STATISTICS**

- To apply the statistical equations to forecast geographical conditions of the world.

### **SEMESTER V : ECONOMIC GEOGRAPHY (DSE-I)**

- To understand the field, nature, importance, scope and approaches of economic geography.

- To analyze the role of different sectors of Global economy.

#### **SEMESTER V: PRACTICAL: INTERPRETATION OF TOPOGRAPHICAL MAPS**

- To learn how to draw topographical and weather maps of India.

#### **SEMESTER V : INTRODUCTION TO PHYSICAL GEOGRAPHY (Generic Elective)**

- To understand the importance of longitudes and latitudes.
- To know the internal structure of the earth.
- To gain knowledge about the agents of denudation.
- To analyze the composition and structure of atmosphere.

#### **SEMESTER VI : REGIONAL GEOGRAPHY OF KARNATAKA(DSE-II)**

- To understand the location, physiographic, drainage, climate and vegetation of Karnataka.
- To analyze the role of different sectors of Karnataka economy.

#### **SEMESTER VI: PRACTICAL : SURVEYING AND FUNDAMENTALS OF GIS**

- To investigate components and function of GIS and its data models.
- To make out the different survey techniques.

#### **SEMESTER VI:REGIONAL GEOGRAPHY OF INDIA (Generic Elective)**

- To understand the location, physiographic, drainage, climate and vegetation of India.
- To gain knowledge about the features, problems and prospects of Agriculture.

To analyze the human resources, power and mineral resources.

## **COURSE OUTCOMES: DEPARTMENT OF POLITICAL SCIENCE**

### **SEMESTER-1 : INTRODUCTION ON POLITICAL SCIENCE**

- Understanding the meaning to have knowledge about elements, theories of freedom rights, liberty, equality and justice

### **SEMESTER-2 : INDIAN GOVERNMENT AND POLITIES**

- Development of Constitution features of constitution, fundamental rights, duties, Union Government and judiciary election commission and planning commission.
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### **SEMESTER -3 : MAJOR POLITICAL IDEOLOGIES**

- Political ideology, nationalization, liberalism, socialism and power of democracy.

### **SEMESTER-4 : INTRODUCTION ON INTERNATIONAL RELATIONS**

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- Students' knowledge about the growth of international discipline, national power, foreign policy,
- diplomacy, war, united nations achievements non alignment.

### **SEMESTER-5: PAPER- PUBLIC ADMINISTRATION AND PUBLIC POLICY**

- . Understanding the scope and nature of political science, organization
- Understanding the principles of administration
- Knowledge of civil services budget and accounting and auditing.

### **SEMESTER-5: INDIAN ADMINISTRATION**

- Explaining the nature, scope and evolution of Indian Administration
- It helps the students to know the details of Indian Administration and to gain any important position in future in Administrative service.
- Analysing the Civil Service in India.
- Understanding the concept of District Administration in India
- To enable the students to understand in a broader sense the longer trajectory of India's historical and political administrative experiences.
- It understand the students regarding the administrative structures and practices prevalent in Post –colonial period
- It introduces the students to the contemporary issues of decentralisation

## **SEMESTER-6 : LOCAL GOVERNMENTS IN INDIA**

- Examining the Institutions of Local Self Government in India
- To familiarise the students regarding the concept of decentralisation and devolution of power in India.
- To enable the students to understand the various constitutional provisions and statutes pertain to decentralised governance in the country.

## **SEMESTER-6 : HUMAN RIGHTS GENDER AND ENVIRONMENT**

- This paper shall focus on the tradition of human rights in India
- It shall elaborate on the historical evolution, and institutional mechanisms for the protection of human rights in India.
- It shall also touch upon the emerging issues of human rights in the country, different movements relating to human rights and shall also deal with the rights of vulnerable groups in India.
- To introduce the students regarding various gender abuses against the women.

**CONSTITUTION OF INDIA** is made as the compulsory paper for the students of I and II semesters to impart the knowledge about framing of the Constitution and major features of the constituent Assembly at work preamble and salient feature of Citizenship, Fundamental Rights, directive principles of State policy, Fundamental Duties etc.

## **COURSE OUTCOMES: OPTIONAL KANNADA**

### **SEMESTER-1 : HOSAGANNADA KAVYA MATHU KANNADA SAHITHYA CHARITHRE-1**

- Deliberate the characteristics of Modern poems of 20th century, DaraBendre
- Learn in details with application, if applicable, Modern poems of 20th century, GopalakrishnaAdiga.
- Write down the details of Modern poems of 20th century.
- Write down the details of scope and uses of history of Kannada literature.
- Understand the classification and characteristics of champu literature
- Specify in details with application, if applicable, vachanasahitya

### **SEMESTER-2 : HOSAGANNADA NAATAKA MATHU KANNADA SAHITHYA CHARITHRE-2**

- Identify in depth modern drama written by SamsaVigadaVikramaraya.
- Introduction to Mysore Empire and his administration.
- Enact the dram on stage.
- Identify in details with application, if applicable, Bhagavatha and Daasasahithya
- Learn the characteristics of hosagannadaarunodaya
- Specify in details with examples stages in modern Kannada literature
- Deliberate in details with examples Navodayapoets
- Learn in depth Pragathisheela and modern poets
- Write down the details of Dhalitha /Bandaya poets
- Specify the classification and characteristics of Feminist writers

### **SEMESTER -3NADUGANNADA KAVYA-1 & HALAGANNADA VYAKARANA-1**

- Understand in depth HariharanaNambiyannanaRagale
- Specify in details with examples speciality of HariharanaNambiyannanaRagale
- Learn in depth limitations of HariharanaNambiyannanaRagale
- Deliberate in depth shabdamanidharpana-101 sutra
- Identify in depth sanyaprakarana
- Learn the classification and characteristics of naamaprakarana
- Deliberate in details with examples sandhiprakarana





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### **SEMESTER-4 : CHANDASSU MATTU PURAKA PATYA**

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- Introduction : Harishchandrakavya
- King Harishchandra's character, life history – study
- ‘SathyakeSavilla’, ‘SathyavembudeHaranu’ - motto of the Kavya
- Write down the classification and characteristics of Namaprakarana
- Write down the classification and characteristics of samasaprakarana
- Identify in details with application, if applicable, akyathaprakarana
- Identify in depth dhathuprakarana
- Specify in details with examples thadhithanthaprakarana

### **SEMESTER V : SAHITYA VIMARSHE MATTU PURAKA PATYA**

- Understanding the scope and nature of kavirajamarga
- Understand the concept of deshi sahitya swarupa
- Identify in details with application modern kannada sahitya
- Specify in details of dasa sahtitya

### **SEMESTER IV : KANNADA VYAKARANA MATTU PURAKA PATYA**

- Understand the concept of rangana maduve
- Know the fundamental kathegalla parichaya
- Specify in details of pada jnana
- Understand the concept of vyakarana jnana



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### **COURSE OUTCOMES: SOCIOLOGY**

**II BA : History, Sociology, Geography (HSG)**

#### **SEMESTER III STUDY OF INDIAN SOCIETY**

- Identify the future of Indian society
- Learn Indian family system
- Learn Indian marriage system

#### **SEMESTER IV PIONEERS OF SOCIOLOGY**

- Contribution of August Comte
- Contribution of Herbert Spencer
- Contribution of Emile Durkheim

#### **SEMESTER V RURAL SOCIETY AND RECONSTRUCTION**

- Understand Land reforms
- Understand effective globalization
- Understand liberalization

#### **SEMESTER VI SOCIOLOGY OF GENDER**

- Learn women empowerment
- Difference between sex and gender
- Describe the women education system



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### **PROGRAMME SPECIFIC OUTCOMES**

#### **Programme:**

**B.Sc-(Physics, Chemistry and Mathematics)**

**B.Sc–(Chemistry, botany, zoology)**

**B.Sc-(Physics, Mathematics and Computer Science)**

After completing the B.Sc programme students are able to:

1. Take up competitive examinations as the knowledge of science is a definite advantage at the entrance examination of Indian Administrative Services and other state and central Govt. services.
2. Develop scientific temper and thus can prove to be more beneficial for the society.
3. Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.
4. Demonstrate skills in the use of Computers.
5. Create a hypothesis and appreciate how it relates to broader theories.
6. Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries.
7. Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.
8. The programme leads the students to the advanced studies i.e. M. Sc and then do some research in multi and inter-disciplinary science for the welfare of the society.
9. Demonstrate professional behaviour such as being objective, unbiased and truthful in all aspects of work and avoiding unethical, irrational behaviour such as fabricating, falsifying or misrepresenting data

## **PROGRAMME OUTCOMES**

### **B.Sc-(Physics, Chemistry and Mathematics)**

### **B.Sc–(Chemistry, botany, zoology)**

### **B.Sc-(Physics, Mathematics and Computer Science)**

Bachelor of Science (B.Sc) programme offers theoretical as well as practical knowledge about different subjects such as Physics, Chemistry, Mathematics and Computer science depending on the combination opted by the student. This programme is most beneficial for students who have a strong interest and background in Science and Mathematics.

Following are the various programme outcomes:

1. Demonstrate proficiency in mathematics and the mathematical concepts needed for a proper understanding of Physics.
2. Develop and understand the value of Mathematical proof and demonstrate proficiency in writing and understanding proofs.
3. The programme makes the students ready to take up jobs in various sectors such as research firms, health care industry, chemical industry, testing laboratories, Software Company, banks, etc.
4. Demonstrate the ability to justify and explain their thinking and/or approach.
5. Students are expected to have an understanding of the analytical methods required to interpret and analyze results and draw conclusions as supported by their data.
6. Students are also expected to develop written and oral communication skills in science and mathematics related topics.
7. Students are able to analyze inorganic and organic molecules.
8. The programme develops the team spirit and co- ordination in students through experiential and investigative laboratory learning.
9. Develop laboratory skills and professional communication skills.
10. Appreciate the role of chemistry in the society.
11. The ability to understand, analyze and develop software programs in the areas related to system software, web design, application program, database, graphics and networking for efficient design of technology of varying complexity.
12. Students will use effective technology appropriately, such as PowerPoint, slides, posters, handouts, and transparencies in oral presentations.
13. Develop personal skills such as the ability to work both independently and in a group.
14. Acquire academic abilities, personal qualities and transferable skills, which will give them an opportunity to develop as responsible citizens.

## **COURSE OUTCOMES :DEPARTMENT OF KANNADA**

### **SEMESTER I :VIGYANA GANGOTHRI – 1 (PADHYA AND GHADYA)**

#### **Padhya :**

- About Principles of Life by D.V.G
- Character of Malli by G.P.Rajarathnam.
- About Modern Civilized World by Channaveera Kanavi
- Influence of Mother and Mother land on a person by Gangadhara Chittala.
- Identifying the reality of life by Chandrashekhara Kambara
- Prediction about science and technology by Aravinda Malagathi
- Treating of devadasi in society by Sukanya Maruthi
- Confidence building in women's life by Roopa Hassana.

#### **Ghadya:**

- Classification of all sex and creed as same in society by Basavaraja Kattimani.
- Care about a women in society by Nemichandra
- Charactering Shalusabhi by Goruru Ramaswamiyengar
- Autobiography of M.D. Nanjundaswamy by B.N. Mayura
- Knowing Medicinal Plants in forest, about wild life by K.P. Poornachandra Tejaswi

### **SEMESTER II : VIGYANA GANGOTHRI – 2 (NATAKA AND KHADAMBARI)**

#### **Nataka:**

- Complete Drama – Maa Nishadha by Girish Karnad
- Complete Drama – Shakshikallu by Go.Ru.Channabasappa
- Complete Drama – Sacristies by R.D.Kamath.

#### **Khadambari:**

- Selected Parts of the novel Bekkina Kannu by Triveni
- Selected Parts of the novel Karvalo by K.P. Poornachandra Tejaswari
- Selected Parts of the novel Parva by S.L.Bairappa.

### **SEMESTER III : VIGYANA GANGOTHRI – 3 (KAVYA AND KHATHANA)**

#### **Kavya – Part 1:**

- The Principle of Life

- Vachanagalu
- Selected poems from Harihara
- Selected poems from Kanakadasa
- Selected poems from NanjundaKavi
- Pray for rain by HelavanaKatteGiriyamma
- Keerthane by Mahipathidasa.

### **Khathana:**

- Mildness of a growing plant by Sheerasagara
- About a motherhood by Ravindra Bhatt
- Describing the ocean life by RahamathTarikere
- Childhood stores of Ramayana by Kuvempu
- Essays about local Market place by G.V. Anandamurthy

### **SEMESTER IV: VIGYANA GANGOTHRI – 4 (KAVYA AND BHASHE)**

#### **Kavya – Part 2:**

- YeraduGiliyaKathe by Dhurghasimha
- Selected poem by Pampa
- Selected poem by Ranna
- Selected poem by Janna
- Selected poem by Nagavarma-I
- JanapadaMahabharatha by P.K. Rajashekar

#### **Bhashe:**

- General Letter, RequisitionLetter
- Official Letters, Government letters, circular, Remainderletters
- Advertisement, Pamphlet, Banner,Poster
- Reportingwriting
- Computer Knowledge in Kannada.

## **COURSE OUTCOMES :DEPARTMENT OF HINDI**

### **SEMESTER I : HINDI GADYA AUR ANUVAD**

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- Identify in details with examples prose of 20<sup>th</sup>Century
- Write down the depth prose of 20<sup>th</sup>Century
- Deliberate in depth prose of 20<sup>th</sup>Century
- Learn in details with examples Hindi Anuvad, Paribhashikshabdavali
- Specify the characteristics of Hindi Anuvad, Paribhashikshabdavali

### **SEMESTER II : HINDI KAHANI SAHITYA AUR PRAYOJANMOOLAK HINDI**

- Understand the details of Hindi short stories of 20<sup>th</sup>Century
- Learn the classification and characteristics of PrayojanmoolakHindi
- Learn the application of PrayojanmoolakHindi.

### **SEMESTER III : HINDI NATAK AUR VYAKARAN**

- . Understand the characteristics of HindiNatak
- Deliberate in details with application if applicable, Hindi Natak 'KONARK' by JagadishchandraMathur
- Understand the Theme of Drama and main charecters of the drama, who played a prominent role with respect to theirresponsibility.
- Specify the classification and characteristics of HindiGrammar.
- Identify the characteristics of HindiGrammar

### **SEMESTER IV : HI**

#### **NDI KAVITA AURVYAKARAN**

- Write down the classification and characteristics of Modern HindiKavita
- Deliberate in details with application if applicable Saketh by Maithili SharanGupt
- Specify in details with application, if applicable TodtiPatthar by SuryakanthTripathiNirala
- Specify in details with example BadalkoGhirteDekhahai by Nagarjun.
- Write down the classification and characteristics of HindiGrammar.
- Specify the characteristics ofKriya.

## **COURSE OUTCOMES :DEPARTMENT OF SANSKRIT**

### **SEMESTER I**

- Special understanding of the gadyakavya, kadambari, Chandrapada vidyabhyasaaha.
- Special introduction of Bana.
- Explanation of Doshakumara charitham.
- Bharathasangraha of Lakshmana soori.
- Explanation of Karnapurwa.
- The life story of Madan Mohana Malaviya grammar pertaining to the lesson

### **SEMESTER II**

- Special introduction of mahakavi Valmiki.
- How vibheeshana sharanagathi in Ramayana towards Rama.
- Introduction of Vyasakavi who wrote Mahabharatha.
- To enhance the interest of students toward Sanskrit literature through this story between living and non-living things.
- To enhance the students to know about Tatvachintaya.
- Grammar pertaining to the lesson.

### **SEMESTER III**

- Extensive study on Kaviratna Kalidasa.
- Explain the story of Dushyanta and Shakuntala.
- Knowing about the title of Nataka.
- Explaining about the duties of king.

### **SEMESTER IV**

- Special narration about the Kavi Bhoja.
- Explaining the Sundrakanda of Champu Ramayana to students based on Ramayana.
- Explaining the story to show jumping over the sea of Hanuman, obstacles he understood during the journey, entering the lake, conversation between Seetha and Anjaneya.
- Teaching of grammar pertaining to the syllabus.
- Introduction about Champukavya and Champulakshana



## **COURSE OUTCOMES: DEPARTMENT OF ENGLISH**

### **SEMESTER I**

- Analyzing poetry to understand social issue through literature
- To move with prose it talks about social awareness in society
- Helps student to analyze the significance of myths and re-reading classics in which classified under broad themes.
- Student will cultivate how to develop passage and improves their speaking or listening skill.
- How to communicate and from a grammatically impressive discourse

### **SEMESTER II**

- Observing the pan global cultures, values, traditions and lifestyle through the short stories and Travelogue
- Analyzing prose section totally talks about how people struggled to get freedom and their struggling to reach their goal
- 
- Students develop their ability in communicating skills like writing paragraphs, framing question, punctuation and analyzing paragraph.

### **SEMESTER III**

- The literary text provides powerful contexts to understand human situations in our world and show how they are expressed in English language.
- Understanding the disturbing anti-social practices prevalent in society like discrimination on the basis of class, creed, race, gender, language, religion and nationality..
- Awareness of the socially neglected yet powerful literary genres like Dalit Literature
- Develop the sensitivity towards the Social issues with the help of author like, MULKRAJ ANAND.

### **SEMESTER IV**

- Introducing them to the different genre of literature by introducing to drama
- Practical knowledge of how to face interviews, writing letters, reports, reviews, poetry, acknowledgements and references
- Develop sensitivity with the help of Plays
- Critically appreciate and analyze the drama

## **COURSE OUTCOMES: ENVIRONMENTAL STUDIES**

### **SEMESTER I/II**

- After studying this course students gain the knowledge of complex environmental issues.
- Students gain the knowledge of natural resources viz., forest resources water resources, mineral resources, food sources energy and land resources.,
- Students gain the comprehensive knowledge of energy flow in eco system, food chains, food webs and ecological pyramids.
- They should understand the types, characteristic features, structures and functions of forest, grass land, desert and aquatic eco systems.
- Students gain the knowledge about biodiversity at global, national and local levels and threats to biodiversity.
- They should understand the causes, effects and measures of air pollution, water pollution, soil pollution, marine pollution, thermal pollution, nuclear pollution, and nuclear hazards
- They gain the knowledge about water conservation. rain water harvesting, watershed management, and environmental ethics, global warming, acid rain, ozone layer depletion and environmental acts.
- Students should understand population growth, population explosion, human rights, HIV and, women welfare.

## **COURSE OUTCOMES: INDIAN CONSTITUTION**

### **SEMESTER I/II**

- 
- Salient feature of Citizenship
  - Awareness about Fundamental Rights
  - Knowledge of Directive principles of State policy
  - Basic concepts of Fundamental Duties
  - Understand the details of supreme court of India
  - Specify in details the right to information act

## **COURSE OUTCOMES: DEPARTMENT OF PHYSICS**

Students are expected to acquire core knowledge in physics, including the major fields of classical mechanics, quantum mechanics, electromagnetic theory, electronics, optics, special theory of relativity and modern physics.

This course will provide a theoretical basis for doing experiments in related areas. Students should learn how to design and conduct an experiment demonstrating their understanding of the physics concepts.

The student should effectively communicate their knowledge of physics from basic concepts to specific detailed presentations through oral and written modalities.

### **SEMESTER-I : MECHANICS, PROPERTIES OF MATTER AND ELECTROSTATICS**

- Know the fundamentals of different types of frames of references and Galilean transformation
- Understand the basics of properties of matter, how Young's modulus and rigidity modulus are defined, how they are evaluated for different shapes of practical relevance
- Gain knowledge about the properties of fluids especially of viscosity and surface tension which help the students in their daily life.
- Know conservation laws of energy, linear and angular momentum and apply them to solve problems
- Learn the basics of potentials and fields, central forces and Kepler's laws
- Have basic knowledge of moving coil and Helmholtz galvanometer, electric pressure on a charged surface and attracted disc electrometer.

### **SEMESTER-II : HEAT, THERMODYNAMICS AND SOUND**

- Become familiar with various thermodynamic process, reversible and irreversible process and knowledge of calculating change in entropy for various process.
- Realize the importance of thermodynamic functions and applications of Maxwell's relations.
- Learn the fundamentals of harmonic oscillator model, including damped and forced oscillators and expression for amplitude and phase at resonance.
- Have in depth knowledge of the general equation of wave motion and transverse waves in stretched strings and longitudinal waves in gases and rod.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Become familiar with analysis of complex waves using Fourier series.

### **SEMESTER-III: ELECTRICITY AND ELECTROMAGNETISM**

- Be able to solve a variety of problems related to Maxwell's equations and explain term displacement current.
- Know in depth the response of CR, LC, CR and LCR circuits to AC, which is essential in designing as well as understanding the working of electronic circuits.
- Be able to solve the problems related to growth and decay of dc current in RL, RC and LCR circuits
- Familiarise with electrical circuits, electrical connections, and storage devices (inductor and capacitor), their working etc. which will be quite useful in their daily life.
- Learn construction & working CRO and its use in measurement of voltage, frequency and phase.
- Be able to analyse complex electrical circuits using mesh analysis, Thevenin, Norton and Superposition theorems.
- Know the thermodynamic theory of thermoelectric effect, laws of intermediate metals and temperature.

### **SEMESTER-IV: OPTICS AND SPECTROSCOPY**

- Understand the basic concepts of wave optics and learn very important and fascinating areas of interference, diffraction and polarization with many experiments associated with it.
- Become familiar with molecular spectroscopy and have gained basic ideas regarding vector model of atom, spin orbit interaction, Zeeman Effect, Raman Effect.
- Appreciate the results of Stern-Gerlach experiment, Franck-Hertz's experiment, Thomson experiment to determine specific charge of an electron and Millikan's oil drop experiment to determine charge of an electron.
- Understand the basic principles of working of He-Ne, ruby laser and various applications of laser in different fields.

### **SEMESTER-V: NUCLEAR AND THEORETIC PHYSICS (DSC)**

- Special theory of relativity, Michelson-Morley experiment, postulates of special theory of relativity.
- cosmic rays and particle physics cosmic rays discovery, primary and secondary cosmic rays
- Mass spectrograph
- Nuclear detectors, nuclear reaction, nuclear model and nuclear fusion and fission

### **SEMESTER-VI: LASER AND FIBER OPTICS (PAPER VI) (SEC)**



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Learn the Coherence properties of laser lights
- Explain pumping schemes, types of lasers and semiconductors
- Characterization and modulation of laser
- Learn the laser diodes

### **SEMESTER-VI: SOLID STATE PHYSICS (DSC)**

- Learn the semiconductors and hall effect in semiconductors
- Explain the semiconductors devices, LED, FET and numerical problem
- Learn and describe transistors, amplifiers and oscillators

### **SEMESTER-VI: OPTO ELECTRONICS (SEC)**

- Explain optical process in semiconductor, Franz-Keldysh effect in semiconductor
- Learn the materials for emitting diodes, principle of action of LED
- Explain organic optoelectronic devices OLED

## **COURSE OUTCOMES: DEPARTMENT OF CHEMISTRY**

### **SEMESTER-I CHEMISTRY PAPER I**

- Able to understand periodic properties and classification of elements according to properties & Structure of atom
- Application of Schrodinger equation and Learn about quantum numbers
- Understand the concepts of basic organic chemistry and importance of organic molecules in daily life.
- Learn about classification of liquid mixtures and their properties
- Application of Nernst distribution law with respect to solvent extraction process and Numerical problems
- To know the different Purification techniques of organic compounds.
- Able to understand the concept of Stoichiometry and its relation to reactions
- Learn to name organic compounds and their reactions.

### **SEMESTER-II: CHEMISTRY PAPER II**

- 
- Know about chemical bonding and its importance
  - Able to know the properties and mechanisms of Aromatic hydrocarbons & Alkylhalides



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Understand the kinetics of chemical reactions and their mechanism
  - Able to understand electrolytes and types of electrolytic effects
  - Capable of understand the concept of hydrolysis of salt and its types, degree of hydrolysis and its relationship with Hydrolysis of salt. pH of solutions and its calculations
  - Know about Preparation and synthetic applications of organic reagents and their advantages over inorganic reagents
  - Capable to understand the techniques to manufacture of soaps, detergents and waxes
- 

### **SEMESTER-III: CHEMISTRY PAPER III**

- To be familiar with Chemistry of d and f-block elements.
- Understand the Electronic spectra of transition metal complexes
- Learn about organometallic compounds and their reactions
- Understand chemical reactions of Alcohols, Ethers, Epoxides, Crown ethers and carbonyl compounds on the basis of their functional groups
- Learn about to different theories of reaction rates and laws of thermodynamics
- Know about free energy concept
- Learn about Symmetry of elements, Miller indices, Bravis lattices and X-ray diffraction studies and Numerical problems
- Understand the principle, instrumentation and applications of different types of Chromatographic techniques
- Learn about Nanotechnology
- Understand the Structure and classification of Amino acids and proteins.

### **SEMESTER-IV CHEMISTRY PAPER IV**

- Learn about the Classification of ligands and the theories of coordinate bonding
- Understand the application of co-ordination complexes
- Capable of understand the terms related to structure, stereochemistry and reactions of Carbohydrates
- Know about the application of conductance measurements and conductometric titrations
- To know about physical and chemical properties of liquids.

### **SEMESTER-V: CHEMISTRY PAPER V (DSC)**

- Learn about inorganic materials of industrial importance
- Capable of understand the synthesis of Heterocyclic compounds
- Learn about basics of molecular spectroscopy



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Capable of understand radiation chemistry

### **SEMESTER-V: : CHEMISTRY PAPER V (SEC)**

- Capable of understand the basics of analytical chemistry
- Learn about the sampling and purification methods in analytical chemistry
- Understand the types chromatography

### **SEMESTER-VI : CHEMISTRY (PAPER VI) (DSC)**

- Be able to understand the different methods of metallurgical process
- Learn about bio-inorganic chemistry.
- Capable of understand the special techniques in organic synthesis.
- Learn about basics of NMR spectroscopy
- Understand the the identification of organic compounds by spectroscopic methods.

### **SEMESTER-VI: CHEMISTRY (PAPER VI) (SEC)**

- Learn about kinetics of polymerization
- Understand the crystallization and crystallinity in polymers
- Capable of understanding the properties of polymers

## **COURSE OUTCOMES: DEPARTMENT OF MATHEMATICS**

### **SEMESTER I : ALGEBRA I AND CALCULUS I**



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Find the higher order derivative of the product of two functions and maxima, minima, concavity, convexity & point of inflection.
- Solve a system of Linear equations using the rank of a matrix.
- Familiarize Characteristic roots and characters vectors.
- To find inverse of a matrix by Cayley- Hamilton theorem.
- Analyze different form of equations, finding their roots and understand relation between roots and co-efficients.
- Learn about Properties of integrals and Reduction formulae for some standard functions.
- Find the Angle of intersection of two curves, Find the radius of curvature, circle of curvature and evolutes.

### **SEMESTER II : CALCULUS II & THEORY OF NUMBERS**

- Explain the definitions of limit, continuity, differentiability as related to functions.
- Understand the mean value theorems.
- Expand the functions using Taylor's and Maclaurin's theorems
- Understand the concept of partial derivatives and functions of several variables.
- Learn the Divisibility, Prime Numbers, Congruences, wilson's, euler's and fermat's theorem and their application.

### **SEMESTER III: ALGEBRA – II AND DIFFERENTIAL EQUATIONS**

- Assess properties implied by the definitions of groups
- Use various canonical types of groups (including cyclic groups and groups of permutation)
- Analyze and demonstrate examples of subgroups, Normal Subgroups and quotient groups.
- Obtain the solution of differential equations by the method of separation of variables, homogeneous , Linear and exact differential equations
- Obtain an integrating factor which may reduce a given differential equation into an exact one and provide its Solution
- Find the complementary function and particular integrals of Linear differential equations

### **SEMESTER IV : DIFFERENTIAL – II AND REAL ANALYSIS I**

- Method of Solution of the differential equation of the form  $dx/P = dy/Q = dz/R$
- Use Lagrange's method for solving the first order linear Partial differential equations. Learn the definition & concept of line integral .
- Evaluations of double integral & triple integrals.
- Find the volume of given surface by using triple integrals.
- Learn the definition of Riemann integral. upper sums and lower sums.
- Criterion for integrability. Fundamental theorem of integral calculus.
- Learn First and Second Mean Value theorems of integral calculus.





## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **SEMESTER V: PAPER V: REAL ANALYSIS II AND ALGEBRA III (DSC)**

- Understand the term Convergence..
- Applies this term in to problems. .
- Illustrate the convergence properties of infinite series..
- Test the convergence of infinite series by comparison tests, D 'Alembert's ratio test, Raabe's test. Cauchy's root test. Definitions and basic properties of Laplace Transforms..
- Definitions and basic properties of Laplace Transforms..
- Convolution theorem & its applications.
- Know that any periodic function can be expressed as a Fourier Series..
- Know how to obtain Fourier Series of given Periodic function..
- Expand even or odd function as half range cosine or sine Fourier series.

### **SEMESTER V: PAPER-V: NUMERICAL ANALYSIS (SEC)**

- Understand the concepts of floating point error in representing numbers solving equations using different methods
- Solve the problems using numerical differentiation and integration solve the system of linear equations by using numerical methods

### **SEMESTER VI: PAPER –VI ALGEBRA IV & COMPLEX ANALYSIS I (DSC)**

- Understand the idea about vectors space.
- Analyze finite and infinite dimensional Vectors space and Subspaces over a field and their properties, including basis structure of vector spaces. Use the definition and properties of linear transformation and matrices of linear transformations and change of basis including kernel, range and isomorphism
- Use the definition and properties of linear transformation and matrices of linear transformations and change of basis including kernel, range and isomorphism
- Evaluation of improper integrals using Beta and gamma functions.
- Understand the definition of improper integrals
- Compute with the characteristic polynomials eigen vectors, eigen spaces
- Differentiate vector fields..
- Determine gradient of scalar point function curl and divergence of vector point functions.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **SEMESTER VI: PAPER-VI- COMPLEX ANALYSIS II AND IMPROPER INTEGRALS (SEC)**

- Understand the idea about complex integration
- Proves Cauchy's integral theorem and its consequences
- Solve the problems on analytical functions applying Cauchy's Riemann equations
- Learn about fundamental theorem of algebra, Cauchy's inequality
- Defines beta and gamma functions
- Applies the relation between beta and gamma function on solving problems
- Applies the evaluation of integral formula and duplication formula

### **COURSE OUTCOMES: DEPARTMENT OF COMPUTER SCIENCE**

#### **SEMESTER-1 : COMPUTER CONCEPTS AND C PROGRAMMING**

- Understand, analyze and apply computing knowledge to develop appropriate solution using C programming language.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Learn to develop algorithms and design flowchart.
- Learn and enhance Programming skills.
- Learn to develop IT based solutions to meet the user need.

### **SEMESTER-II : DATA STRUCTURES AND FILE PROCESSING**

- Understand the basics of data structures, classification, applications and memory representation in computer system.
- Learn the implementation of trees as non-primitive data structure using linked list representation and the basic operations to be performed on trees
- Learn to develop programs to illustrate operations as creation, insertion, deletion, display, searching, sorting, traversing etc on data structure.
- Understand the characteristics of primary and secondary storage devices.

### **SEMESTER -III : OBJECT ORIENTED PROGRAMMING WITH JAVA**

- Learn java features and the evolution of Java programming language as a pure OOP language.
- Understand the java support systems, java environment, java virtual machine and its importance.
- Learn to develop java program to solve various problems
- Learn to develop java programs using decision statements, looping statements
- Learn to develop java program to implement class, interfaces, inheritance, Multithreading, using various packages and other java components
- Develop programs using Applets and the GUI components of JAVA.

### **SEMESTER-IV: DATABASE MANAGEMENT SYSTEMS**

- Learn the basics concepts of database systems and architecture.
- Understand the various data models, schemas and instances.
- Learn about the transaction, its states etc.
- Understand relational data model, constraints and relational algebra
- Learn the Codd's Rules.
- Learn to develop SQL statements to implement the database functions.

### **SEMESTER V: PAPER-1- SYSTEM SOFTWARE OPERATING SYSTEM (DSC)**

- Learn and understand the machine architecture, assembler and Loaders.
- Learn about the functions of operating system.
- Differentiate software and their functions



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Learn scheduling and deadlock concepts.
- Understand various memory management techniques.

### **SEMESTER V: PAPER- 2- DESKTOP PUBLISHING (SEC)**

- Learn the basics page layout, tools and workspace.
- Learn to create labels, pamphlets, bill books, greeting cards etc.
- Learn different drawing shapes and graphics.

### **SEMESTER VI: PAPER-1- WEB PROGRAMMING (DSC)**

- Learn the basics of web, internet, WWW, web browsers, web servers.
- Learn XHTML syntax and components and to develop web pages.
- Understand the CSS.
- Learn to program web page using java script.
- Learn how to link java script and html documents to create web pages
- Understand and learn the PHP.
- Using the HTML, XHTML, JavaScript, PHP, the student can learn to develop a web site of his own.

### **SEMESTER VI: PAPER -2 -PYTHON (SEC)**

- Learn the basic concepts of Python language.
- Learn to write program using python datatypes, user defined functions, decision and looping statements, conditional and unconditional statements.
- Learn to develop python program using fruitful functions, strings, lists, tuples and dictionaries.
- Students gain knowledge about basic concepts of Operation Research, solving transportation problems and LPP.

## **COURSE OUTCOMES: DEPARTMENT OF ZOOLOGY**

### **SEMESTER I: ZOOLOGY ANIMAL DIVERSITY I –INVERTEBRATES**

- Describe general taxonomic rules on animal classification.
- Classify Protista up to phylum using examples from parasitic adaptation
- Classify Phylum Porifera to Echinodermata with taxonomic keys
- Describe Phylum Nematoda and give examples of pathogenic Nematodes.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **SEMESTER II: ZOOLOGY ANIMAL DIVERSITY II-VERTEBRATES**

- Imparts conceptual knowledge of vertebrates, their adaptations and associations in relation to their environment
- Classify phylum Protochordates to Mammalia
- Complex Vertebrate interactions.

### **SEMESTER III: ANIMAL PHYSIOLOGY AND DEVELOPMENTAL BIOLOGY**

- Students are taught the detailed concepts of digestion respiration excretion the functioning of nerves and muscles.
- Students gain fundamental knowledge of animal physiology
- Students will gain skill to execute the roles of a biology teacher or medical lab technicians with training as they have basic fundamentals
- Seeks to understand the mechanisms that work to keep the human body alive and functioning .
- Physiological and biochemical understanding through scientific enquiry, physical, and biochemical functions of humans, their organs, and the cells of which they are composed
- Interactions and interdependence of physiological and biochemical processes
- Develop critical understanding how a single celled fertilized egg becomes an embryo and then a fully formed adult by going through three important processes of cell division, cell differentiation and morphogenesis.
- Understand how developmental processes and gene functions within a particular tissue or organism can provide insight into functions of other tissues and organisms.

### **SEMESTER IV: CELL BIOLOGY AND GENETICS**

- Structural and functional aspects of basic unit of life i.e. cell concepts
- Mendelian and non mendelian inheritance.
- Concept behind genetic disorder, gene mutations -various causes associated with inborn errors of Metabolism
- Understand how DNA encodes genetic information and the function of mRNA and tRNA
- Understand the cause and effect of alterations in chromosome number and structure
- Relate the conventional and molecular methods for gene manipulation in other biological systems.
- Discuss and analyze the epigenetic modifications and imprinting and its role in diseases.
- Get new avenues of joining research in related areas such as genetic engineering of cells, cloning, genetic disorders, human fertility programme, genotoxicity,etc.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **SEMESTER V: PAPER 1- ZOOLOGY ENDOCRINOLOGY AND REPRODUCTION**

- Understand neurohormones and neurosecretions
- Understand about different endocrine glands and their disorders
- Understand the mechanism of hormone action.
- Explain and contrast the processes of spermatogenesis, oogenesis.
- Demonstrate an understanding of the hormonal control of reproduction in males and how this is regulated,
- Distinguish between the main stages of embryonic, foetal and neonatal development and causes of foetal disorders.
- Understand the origin and characteristics of common congenital malformations;
- Know how sexually transmitted diseases may contribute to altered neonatal or reproductive function.
- Critically assess relevant scientific literature in Human Reproductive Biology and present their argument in oral and written work

### **SEMESTER V: PAPER 2- APICULTURE**

- Gains the knowledge on biology of bees.
- Understand the artificial bee keeping, selection of bees,
- Methods of extraction of honey.
- Helps to know the diseases and enemies of bees
- Gives the information on the bee economy
- Helps to know the Entrepreneurship in apiculture

### **SEMESTER VI: PAPER 1- ENVIRONMENTAL BIOLOGY**

- Imparts knowledge to the student regarding environment and conservation biology
- Gains knowledge in the areas of responses to Laws of limiting factor, Laws of minimum, Laws of Tolerance and Tragedy of commons
- Types of ecosystem freshwater, marine and terrestrial.
- Population characteristics and dynamics conceptual approach
- Growth curves and pyramids; sigmoid curve, J curve and hyperbola; logistic equation and concepts relating to growth.
- Analyze different sources of environmental problems and methods of measurement of pollution.
- Examine economic growth and quality of life.
- Examine the microbiology of waste water treatment and its various schemes.
- Distribution of fauna in different realms interaction



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Understand Animal behavior and response of animals to different instincts.
- Biodiversity and Conservation increase awareness and understanding of how human life depends on preserving animal species and natural ecosystems.

### **SEMESTER VI: PAPER 2- AQUARIUM FISH KEEPING**

- Provides the information on the potential scope of fish industry as a cottage industry
- Helps to know the exotic and endemic species.
- Enhance the knowledge on aquarium fishes
- Understand the food and feeding of aquarium fishes, fish transportation.
- Gives the knowledge on the maintenance of aquarium.

## **COURSE OUTCOMES: DEPARTMENT OF BOTANY**

### **SEMESTER I: MICROBIAL DIVERSITY ALGAE FUNGI PLANT PATHOLOGY AND BRYOPHYTES**

- Understand the fascinating diversity, evolution, and significance of microorganisms.
- Comprehend the systematic position, structure, physiology and life cycles of microbes and their impact on humans and environment.
- Gain laboratory skills such as microscopy, microbial cultures, staining, identification, preservation of microbes for their applications in research and industry.
- Understand the diversity and affinities among Algae, Bryophytes
- Understand the morphology, anatomy, reproduction and life cycle across Algae, Bryophytes
- Obtain laboratory skills/explore non-flowering plants for their commercial applications.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Understanding & learning common diseases & control measures of plant diseases.
- Acquiring skills in plant disease diagnosis, control & management
- Learning of new skills in health clinic through biological methods.

### **SEMESTER II : PTERIDOPHYTES GYMNOSPERMS, PLANT MORPHOLOGY & TAXONOMY**

- Understand the diversity and affinities among Pteridophytes and Gymnosperms.
- Understand the morphology, anatomy, reproduction and life cycle across Pteridophytes & Gymnosperms, and their ecological and evolutionary significance.
- Obtain laboratory skills/explore non-flowering plants for their commercial applications.
- Understanding the basic concepts in plant morphogenesis
- Ability to identify, classify and describe the plants in scientific terms. Identification of plants using dichotomous keys.
- Recognition, processing and utilization of economically important plants.
- Skill development in processing of biomass and plant products as source of food healthcare, energy and natural products.

### **SEMESTER III: PLANT ECOLOGY PLANT ANATOMY AND PLANT PHYSIOLOGY**

- Understanding the fundamental concepts in ecology, environmental science and Phytogeography.
- Concept development in conservation, global ecological crisis, Sustainable development and pros and cons of human intervention.
- Enable the student to appreciate bio diversity and the importance of various conservation strategies, laws and regulatory authorities and global issues related to climate change and sustainable development.
- Observation of variations that exist in internal structure of various parts of a plant and as well as among different plant groups in support for the evolutionary concept.
- Skill development for the proper description of internal structure using botanical terms, their identification and further classification.
- Preliminary understanding of the basic functions and intermediary metabolism in a plant body.
- Awareness on the interdisciplinary nature of botany, chemistry and physics by studying the principles of plant life, growth and reproduction.
- Recognizing the wonderful mechanism of transport and the Interrelationships existing





## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

between metabolic pathways thereby gaining an idea about the importance of plants in the dynamicity of nature.

### **SEMESTER IV: CELL AND MOLECULAR BIOLOGY GENETICS REPRODUCTIVE BIOLOGY AND PLANT BREEDING**

- Identify the basic principles and current trends in classical genetics and Cell biology.
- Recognize the historical process of the evolution of molecular genetics from classical genetics.
- Develop theoretical background on molecular genetics to provide a strong support for the student for future research and employability.
- Skill development for the proper description of internal structure using botanical terms, their identification and further classification.
- Understanding the basic concepts in plant embryology and organ development
- Understanding the seed structure and related functions, seed health and productivity.
- Technology for assessing the seed pathology, purity, and preservation.
- Learning the field and laboratory protocols of seed production, certification and quality.

### **SEMESTER V : TAXONOMY OF FLOWERING PLANTS**

- Ability to identify, classify and describe the plants in scientific terms. Identification of plants using dichotomous keys.
- Recognition, processing and utilization of economically important plants.
- Skill development in processing of biomass and plant products as source of food, healthcare, energy and natural products.

### **SEMESTER V ( SEC): MEDICINAL AND ORNAMENTAL PLANTS**

- Preliminary understanding of the basic functions and intermediary metabolism in a plant body.
- Knowledge of Indian system of medicine with regard to medicinal plants.
- Acquiring skills in identification, cultivation and preservation of medicinal plants.
- Isolation, identification, characteristics of active principles in medicinal plants & drug formulations.
- Knowledge of Floriculture provides opportunity in establishing small scale business
- Acquire skills in maintenance of flowers for decorative purpose

### **SEMESTER VI ( DSEB ): ECONOMIC BOTANY AND MEDICINAL PLANTS**



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Knowledge of Indian system of medicine with regard to medicinal plants.
- Acquiring skills in identification, cultivation and preservation of medicinal plants.
- Isolation, identification, characteristics of active principles in medicinal plants & drug
- Formulations.
- Recognition, processing and utilization of economically important plants.
- Skill development in processing of biomass and plant products as source of food, healthcare, energy and natural products

### **SEMESTER VI (SECB): NURSERY AND GARDENING**

- Develops responsibility from caring plants
- Educate about plants growth techniques
- Enjoy the food plants they have grown
- Understand ecology and environment
- Offers ideal area to teach and reinforce ideas and concepts about plant science, biology chemistry and soil science
- Gardening can relieve stress and improve health

## **COURSE OUTCOMES: DEPARTMENT OF COMMERCE**

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### **SEMESTER 1: FINANCIAL ACCOUNTING- I**

#### **COURSE OBJECTIVE**

- The objective of this Course is to acquaint students with the accounting concepts, tools and techniques influencing computerized accounting.
- To make the students to understand their Accounting standards issued by ICAI and IFRS.
- For making the students to learn the reparation of accounts in financial terms and aspects.
- To enable the students to learn converting single entry into double entry system of accounting, preparation of financial statements.
- To make in depth study on how branch accounting system is used by head office in business.
- To know how the Departmental accounts are prepared and preparation of accounts.
- For enabling the students of Computerized accounting system in generation of trail balance and financial statements.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **COURSE OUTCOMES**

- To make Students capable in preparation of final accounts of a company.
- Able to solve the trial balance by preparation of final accounts of a company.
- Students are capable of preparing final accounts, branch accounts, and departmental accounts.
- To make them solve conversion of accounts from single entry into double and partnership into limited company.
- Students have knowledge of computerized accounting system.

### **SEMESTER 1: BUSINESS MANAGEMENT**

#### **COURSE OBJECTIVE**

- The objective is to enable students to acquire skills in Business Management.
- The objective is to provide students with a conceptual framework of Business Management, Planning, Leadership types, Motivational theories, controlling techniques.
- To study the basic concept of event management, its policies, procedure etc.
- To study the general details of event management
- To study the principle of planning schedule
- To study about public relations of the organization with the public
- To study the event held in corporate sector and its types

#### **• COURSE OUTCOMES**

- Student know to manage the events such as concepts of management, evolution of management functions of management etc
- It helps students to know general details about process of planning such as process of planning, decision making, strategy formulation, during planning process.
- Students how to plan the organization, different types of organization, delegation of authority, dynamics of group behavior depending on skills.
- The student are aware how organization will try to maintain good relationship with customers
- The student are aware of different types emerging trends in management such as Kaizen, TQM, MIS, ISO stress management, business eco system.

### **SEMESTER 1: MANAGEMENT OF BANKING AND INSURANCE SERVICES**



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **COURSE OBJECTIVE**

- The objective is to familiarize the students with the Banking and insurance operations.
- To make students get basic knowledge about the banking operations, functions of banker, cash credit, purchasing and discounting of bills, collection of dividend and interest etc.
- To acquaint students about the role of central bank, its policies, RBI and its monetary policy regulation.
- To acquaint the students about the special and general relationship of banker with customer.
- To create awareness about banking operations from different aspects of the bankers.
- To analyze the different types of customers and their eligibility to open and operate bank account.
- To avail practical exposure to students about the new innovations in banking.
- To create awareness about the business of insurance operations from different aspects

### **COURSE OUTCOMES**

- Students are able to secure knowledge about the negotiable instruments like promissory note, bills of exchange, cheques etc.
- Students have learned the special and general relationship of banker with customer.
- Students are aware of the about banking operations from different aspects of the bankers.
- Students are able to understand the different types of customers and their eligibility to open and operate bank account.
- Students have got practical exposure to students about the new innovations in banking like ATM, EFT, MICR, RTGS, NEFT and DEMAT.

### **SEMESTER II: COST ACCOUNTING**

#### **COURSE OBJECTIVE**

- To familiarize students with the various concepts and elements of cost.
- To understand the basic concept and process of costing
- To enable the students to analyze & understand the concept of inventory management
- To understand about costing methods, material management, inventory management, labor, overhead.
- To develop practical skills of costing in an organization
- To gain the knowledge about integral accounting system.

#### **COURSE OUTCOMES**



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Students are possess the knowledge about costing methods
- Students will get extreme knowledge about inventory methods
- Students are quite confident of calculation of different methods of time rate system
- They are able to know the principles of an integral accounting system and journal entries.
- They are confident in solving practical problems on allocation & apportionment.

### **SEMESTER II: FINANCIAL ACCOUNTING-II**

#### **COURSE OBJECTIVE**

- To acquaint the students with the accounting for consignment.
- To make them familiar with the accounting procedures for different types of business.
- To make students understand about hire purchase and installment system.
- To familiarize with royalties.
- To prepare accounts for non-profit organizations.
- To acquaint students with computerized accounting using Tally.

#### **COURSE OUTCOMES**

- After completion of course, students are able to
- Have knowledge about accounting for consignment.
- Able to understand about hire purchase and installment system.
- Prepare journal entries and ledger in consignor and consignee books
- Able to prepare accounts in the books of non-profit organizations and income and expenditure account.
- Capable of preparing royalties account.

### **SEMESTER II: MARKETING MANAGEMENT**

#### **COURSE OBJECTIVE**

- The objective is to familiarize the students with the principles of marketing and focus them towards Marketing and Management of Services'
- To familiarize the students with principles of marketing and focus towards marketing and management services.
- To gain comprehensive awareness of product, service.
- The focus of course is to identify the recent developments in marketing strategies, marketing research.
- To understand the basic concept and process of retail marketing and advertising.
- To able to analyze the digital, target, e-business, and various recent trends of marketing.

#### **COURSE OUTCOMES**



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Students can identify the producer /Distributors of the organization in which stage of the product life cycle and position.
- Students are able to know strategies for development of a product.
- Students are aware of consumer behavior for the product of customer's choice.
- Students able to gain basic knowledge of develop in advertisement copy for a product.
- Students are able to analyze the market by market research techniques.

### **SEMESTER III: CORPORATE ACCOUNTING –I**

#### **COURSE OBJECTIVE**

- To enable the student to have a comprehensive awareness about the provision of the Company's Act and Corporate Accounts.
- To enable them to know statutory provisions regarding preparation of company Final Accounts.
- To identify the new format of financial statement as per schedule III of Companies Act-2013.
- To understand the concept of issue and redemption of preference shares and issue of bonus shares.
- To overview about the concept of liquidation of companies.
- To know the accounting for employee's stock option plans, buy back of securities etc.

#### **COURSE OUTCOMES**

- Students are able to determine the requirement of financial statements as per Companies Act 2013.
- Aware of concepts of financial statements.
- Students are able to know how the liquidation of the companies carried out.
- Able to get complete knowledge about accounting for redemption of preference shares and debentures.
- Students are able to get practical knowledge of profit and loss account and balance sheet.

### **SEMESTER III: INCOME TAX - I**

#### **COURSE OBJECTIVE**

- The Objective of this subject is to expose the students to the various provisions of Income Tax Act 1961 relating to computation of Income of individuals under different heads of income.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- To create awareness about tax structure and tax system in India
- To make them understand brief history of income tax and Income tax authorities
- To teach them how to determine residential status and incidence of tax of individual.
- To create awareness about salary, allowances, perquisites and its taxability.
- To teach taxability of house property its basis of charge exempted incomes from house property and deduction
- To make the students to learn about income tax slab rate exempted incomes filing of income tax and self assessment
- To make them learn to determine admissible, inadmissible expenses and make then to calculate taxable income from business, profession.

### **COURSE OUTCOMES**

- Students learned about Indian tax structure, slab rate, calculation of tax liability, exemptions etc.
- They are able to determine residential status and incidence of tax
- They learned about salary and its contents
- They are able to calculate taxable income from salary and retirement benefits such as leave encashment, gratuity, commutation of pension etc.
- They understood the basis of charge of income from house property and they are able to calculate taxable income form house property.
- They are able to calculate professional gain or loss and business income

## **III SEMESTER DISASTER MANAGEMENT**

### **COURSE OBJECTIVE**

- The objective is to familiarize the students with the introduction to disasters, concepts, global trends in disaster.
- To familiarize the students with approaches to disaster risk reduction.
- To gain comprehensive awareness of inter relationship between disasters and development.
- The focus of course is to identify the disaster risk management in India hazard and Vulnerability profile of India components of disaster relief.

### **COURSE OUTCOMES**

- Students can identify the causes for disaster, vulnerability, differential impacts.
- Students are able to know strategies for prevention and disaster risk reduction.
- Students are aware of differential impacts, climate change adaptation.
- Students able to gain basic knowledge of different components of disaster risk management.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **SEMESTER III: COMPANY LAW AND SECRETERIAL PRACTICE**

#### **COURSE OBJECTIVE**

- The objective is to enable the students to get familiarized with the existing Companies Act 2013.
- To familiarize the fundamental concepts of Companies Act 2013
- To provide an insight into the different types of Companies and their provisions
- To familiarize with Secretary, rights of Company.
- To make students to about meeting, resolutions and company management.
- To make students to know about company formation and conversion choice of the form of the business entity.
- To provide the students the objectives of secretarial audit and its scope, need etc.
- To give the knowledge of Compliance of secretarial standards for good governance

#### **COURSE OUTCOMES**

- Understand the formation of the company and its incorporation.
- Acquire knowledge on basic documents in a company formation and various methods of rising of capital.
- Able to know the provisions of Companies Act relating to meetings, resolutions and Company Management
- Students are aware of statutory duties, power and responsibilities of director, secretary and other officers.
- Learn about Scope of secretarial audit, secretarial standards.

### **SEMESTER IV: CORPORATE ACCOUNTING II**

#### **COURSE OBJECTIVE**

- To enable the students to have a comprehensive awareness about the general insurance companies.
- To enable them to know the accounting for life insurance and preparation of valuation balance sheet of Final Accounts.
- To enable them with social responsibility accounting.
- To understand the concept of human resource accounting, monetary and non-monetary models.
- To overview about the concept of inflation accounting and income measurement





## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **COURSE OUTCOMES**

- Students are able to determine the requirement of holding company accounts and are able to draft the consolidated balance sheet.
- Aware of concepts of insurance companies.
- Students are able to know how the inflation accounting can be drafted.
- Able to get complete knowledge about accounting for human resource management.
- Students are able to get practical knowledge of social responsibility accounting.

### **SEMESTER IV: INCOME TAX – II**

#### **COURSE OBJECTIVE**

- To make them revise basics of Income Tax-I
- To create awareness about depreciation.
- To make them learn to determine admissible, inadmissible expenses and make them to calculate taxable income from company.
- To create awareness about capital assets, types of assets, types of capital gain
- To make them able to calculate taxable amount of capital gain.
- To impart knowledge about different income from other sources
- To make them aware about deductions u/s 80C-80U and calculation of tax liability.
- To make them learn to determine income from partnership.
- To give knowledge about the different assessment procedures.

#### **COURSE OUTCOMES**

- Students are able to answer about the basics of income tax.
- They are able to determine admissible and inadmissible expenses, business incomes, non business income, exempted income and they are able to calculate taxable income from company and partnership firm.
- They are able to determine admissible and inadmissible expenses and income.
- Students are able to classify different capital assets and capable of calculate taxable capital gain.
- Gained the knowledge about determination of taxable income from other sources
- They are able to charge the deduction u/s 80C-80U for gross total income.
- Gained the knowledge about determination of taxable income of individual assesses.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **SEMESTER IV: QUANTITATIVE TECHNIQUES**

#### **COURSE OBJECTIVE**

- To make students to understand the concepts of indices and logarithms.
- To make the students to know about arithmetic progression, geometric progression and application problems.
- To know the significance of ratios.
- To provide the basic knowledge about metrics and determinants and to know how to apply them in business decisions.
- To impart knowledge about probability and theoretical distribution.

#### **COURSE OUTCOMES**

- Students know the concept of indices and logarithms.
- Students will be confident about arithmetic and geometric progressions.
- They gain practical knowledge how to calculate probability & theoretical distribution.
- They have the knowledge on metrics and determinants and its uses
- They are confident in solving practical problems on ratios.

### **SEMESTER IV: PRINCIPLE AND PRACTICE OF GENERAL INSURANCE**

#### **COURSE OBJECTIVE**

- Students know about various types of insurance and its basic principles.
- Understand the insurance policy along with its policy conditions.
- Infer about IRDA guidelines related to detection and monitoring of insurance frauds.
- Impart knowledge about insurance return and risk analysis.

#### **COURSE OUTCOMES**

- Students are able to know the growth of general insurance.
- Aware of concepts of settlement of claims of insurer's.
- Students are able to know the management of general insurance companies.
- Able to get complete knowledge about regulatory framework of general insurance in India.
- Students are able to get loss of profit insurance policies.

### **SEMESTER V: ENTREPRENEURSHIP DEVELOPMENT**

#### **COURSE OBJECTIVE**

- To promote first generations business man and industrialist
- To create awareness about availability of resources



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- To promote small , cottage and local industries
- To encourage self employment tendencies

### **COURSE OUTCOMES**

- Able to familiarize and understand basics of Entrepreneurship
- Able to the concept of Entrepreneurship Development
- Able to understand the function of the entrepreneur in the successful, commercial application of innovations
- Able to identify personal attributes that enable best use of entrepreneurial opportunities
- Able to explore entrepreneurial leadership and management style.

### **SEMESTER V: FINANCIAL MANAGEMENT-I**

#### **COURSE OBJECTIVE**

- To ensure regular and adequate supply of funds to the concern
- To ensure optimal fund utilization
- To plan a sound capital structure
- To ensure safety on investment

#### **COURSE OUTCOMES**

- Define the fundamental concepts of FM.
- Students acquired practical skills on capital budgeting
- Describe factors influencing dividend policies
- Analyze the capital structure and appraise its influence on risk and growth.
- Differentiate and apply various method and techniques to analyze investment decision.
- Explain the concept of leverage and benefits and cost associated with debt financing.
- Define and identify the concepts of cost of capital

### **SEMESTER V: ADVANCED COST AND MANAGEMENT ACCOUNTING-I**

#### **COURSE OBJECTIVE**

- To ascertain the cost per unit of the different products manufacture by a business concern
- To provide a correct analysis of cost both by process or operations and by different elements of cost
- To advise management on future expenses and policies and proposed capital projects

#### **COURSE OUTCOMES**

- Able to prepare learners to understand the Scope of Cost Accounting in any business activity.
- Able to learn the Cost Accounting treatment in relation to Material Cost Accounting, employee cost and overheads.
- Able to enable students to learn application of different methods of costing in Manufacturing and Service industries.
- Able to enable the learners to understand, develop and apply the techniques of costing in the decision



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

making in the corporate world.

### **SEMESTER V: QUANTITATIVE DECISIONS TOOLS**

#### **COURSE OBJECTIVE**

- To develop the students ability to deal with numerical and quantitative issues in business
- To enable the use of statistical , graphical and algebraic techniques where ever relevant
- To have a proper understanding of statistical applications in economics and management

#### **COURSE OUTCOMES**

- Able to train students in quantitative analysis of data
- Able to formulate an optimization problem
- Able to develop the skill in statistical tools like correlation and regression to find the relationship between variables

### **SEMESTER V: IFRS (IND -AS)**

#### **COURSE OBJECTIVE**

- To complete conceptual frame work which serves as a tool to develop standards
- Financial statements are provided complete and unbiased
- IFRS is consider to be more effective to maintain stability and transparency across the financial world

#### **COURSE OUTCOMES**

- Able to familiarize and understand the International Financial Reporting Standards
- Able to analysis and interpretation of all the International Accounting Standards.
- Able to prepare the income statements and balance sheet ,business plans, studies and other consulting services deliverables in the areas of organization, management, finance, marketing

### **SEMESTER V: INDIRECT TAX –I**

#### **COURSE OBJECTIVE**

- Identify and analysis the procedural aspects under different applicable students related to indirect taxes
- Compute the assessable value of transactions related to goods and services for levy and determination of duty liability
- Easier to collect, grater amount of generation of revenue , tax evasions is Comparatively less

#### **COURSE OUTCOMES**

- To make the students understand the basic concepts, definitions and terms related to direct taxation.
- Students are aware of different forms of business organizations
- To help the students understand the computation of income and tax for a partnership firm. Students to understand the Concept of GST from Basic to advance
- Students are aware of GST rates and different Slab rates of GST with examples.



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **SEMESTER VI: BUSINESS LAWS**

#### **COURSE OBJECTIVE**

- Identify the define elements required to form a contract.
- Define the contract and role of contract in our economy
- Appreciate the significance of capacity and free consent of parties to a contract

#### **COURSE OUTCOMES**

- Students can able to demonstrate and understanding of the legal environment of business
- Students able to apply basic legal knowledge to business transactions
- Able to understand demonstrate recognition of the requirements of the contract agreements
- Able to identify contract remedies
- Able to demonstrate understanding of legality statue of frauds in contract

### **SEMESTER VI: CORPORATE TAX PLANNING**

#### **COURSE OBJECTIVE**

- To stabilize the economy of the country
- To leverage productivity and financial growth
- Reduction of tax liability

#### **COURSE OUTCOMES**

- Able to understand different types of income and their taxability and expenses and their Deductibility
- Students able to acquire knowledge on fundamentals of tax planning and tax Management
- Students able to understand Tax Planning and Managerial Decisions
- Able to discover strategy to reduce the tax liability within the law

### **SEMESTER VI: PRINCIPLES AND PRACTICE OF AUDITING**

#### **COURSE OBJECTIVE**

- Examining the system of internal check
- Checking arithmetical accuracy of books of accounts, verifying posting, casting, balancing.
- Confirming the existence and value of assets and liabilities.

#### **COURSE OUTCOMES**

- Students are able to get practical knowledge about types of audit conducted In Organization



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Students learn about audit firm, and how audit procedures are done in the organization
- Students investigate reports public limited company to know the process of auditing with the help of auditor.
- Students are aware of the vouching and its importance.
- Students have knowledge about internal audit and external audit.
- To learn about power and position of auditors in organization.

### **SEMESTER VI: FINANCIAL MANAGEMENT-II**

#### **COURSE OBJECTIVE**

- Understand working capital management, net working capital, and related trade-off between profitability and risk.
- Describe the cash conversion cycle, its funding requirements, and the key strategies for managing it.
- Review the considerations for changes to the cash discount and other aspects of credit terms, including credit monitoring.

#### **COURSE OUTCOMES**

- Able to evaluate the need for strategic financial management.
- Students would discuss and describe the functioning of budgeting techniques.
- Able to understand the credit policy and variables-credit evaluations.
- Able to integrate the concept and apply the financial concepts to calculate ratios and do
- To help the students to develop cognizance of the importance of Financial Management
- incorporate valuation.

### **SEMESTER VI: ADVANCED COST AND MANAGEMENT ACCOUNTING-II**

#### **COURSE OBJECTIVE**

- Identify and explain the emerging themes of management accounting.
- Assisting management in profit planning and formulating these plans in the form of budgets.
- Accumulating and presenting data for capital expenditure decision.

#### **COURSE OUTCOMES**

- Students able to distinguish management from financial accounting.
- Students able to calculate various accounting ratios, reports and relevant data.
- Able to Prepare master budget and demonstrate an understanding of the relationship between the components.
- Able to prepare cash flow and fund flow statements this helps in planning for immediate and long-term finance



# **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

## **SEMESTER VI: INDIRECT TAX –II**

### **COURSE OBJECTIVE**

- Consumption based tax instead of manufacturing.
- Uniform GST registration, payment and input tax credit.
- To eliminate the cascading effect of indirect taxes on single transactions.

### **COURSE OUTCOMES**

- Students would explain the various terms related to goods and service tax.
- Students would discuss the contents and format for various documents like tax invoice, bill of supply, debit note, credit note etc.
- Students would compute the amount of CGST, SGST and IGST payable after considering the eligible input tax credit. Students would be analyzed whether a person is re



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **PROGRAMME OUTCOMES**

#### **PROGRAMME: BBA - BACHELOR OF BUSINESS ADMINISTRATION**

##### **PROGRAMME OUTCOME**

1. To provide adequate basic understanding about management education among the students.
2. To prepare student to exploit opportunities being newly created in the managementprofession.
3. To train the students in communication skills effectively.
4. To develop appropriate skills in the students, so as to make them competent and providethemselves self-employment.
5. To develop entrepreneurial skills.
6. To recognize and solve business problem in an ethical manner.
7. To pursue a lucrative career in the commerce and management sector.

##### **OBEJECTIVES OF THE PROGRAMME**

1. To provide the basic and essential knowledge regarding various activities undertaken and necessary to run socially-responsible business organization.
2. To teach certain basic skills and aptitudes to be helpful in taking up any particular activity in a business.
3. To inculcate global view of the industrial and organization establishment and their functionswhich support the business system?
4. To make them responsible to be specialized in the area of management like human resource,finance operations and marketing and system.
5. To inform the Micro level concept of business and management like insurance retail, Marketing, supply chain management etc...
6. To develop the culture of business and entrepreneurial aptitude among the people at large.





## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **COURSE OUTCOMES: DEPARTMENT OF KANNADA**

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#### **SEMESTER I: VIGYANA GANGOTHRI – 1 (PADHYA AND GHADYA)**

##### **Padhya:**

1. Prayer about devotion by B.M.Sri
2. Money madness- Raising the voice towards the poor KuruduKanchana by D.R. Bendre
3. Depicting about the present society which is not going in right direction by Sujana
4. Relationship of Mother and Daughter by K.S. Na.
5. Dream's of common man by K.S. NisarAhamahad.
6. Raising a voice of women I Men dominated society by Cha. Sarvamangala
7. Distribution of work between Men and Women by HemaPattanashetty.
8. Harassment of people by social disaster untouvhability by MudnakuduChinnaswamy

##### **Ghadya:**

1. Depicting the reality of village life by BesagaraHalliRamanna.
  2. Living together relationship before marriage is not good to our society by Abdul Rashid.
  3. How to leading life after happily after death of our loved one by Prabhushankar.
  4. Influence of reading books on youth by K.S. Bhagavan.
  5. Effect of Deforestrization on Environment by NageshHegade.
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#### **SEMESTERII: VIGYANA GANGOTHRI – 2 (NATAKA AND KHADAMBARI)**

##### **Nataka:**

1. Yashodhara (selected Scenes) bySrinivasa.
2. Eakalavya (selected Scenes) bySiddalingaiah
3. BandaroBandaru by Dr. Vijaya

##### **Kadambari:**

1. MaraliMannige by Dr. ShivaramKaranth
2. Vaishaka byChaduranga
3. Gathi by B.T. LalithaNaya



## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

### **SEMESTER III: VIGYANA GANGOTHRI – 3 (KAVYA AND KHATHANA)**

#### **Kavya – Part 1:**

1. Learning depth – Folk Literature.
2. Understand in details with examples – Vachanas.
3. Learn in details with examples selected poems of Ragavanka
4. Learn in details with examples selected poems of Chamarasa.
5. Learn in details with examples selected poems of Lakshmisha.
6. About Women's culture, religion as a wife and mother-in-law.

#### **Khathana:**

1. Impact of Environment in Western Ghats by Nagesh Hegde
2. Glimpses of Indian Culture by Sanjeevaraya
3. Cultural Bioscope of London city and description about historical buildings by K. Ramanna.
4. Modern daughter-in-laws life style by T. Sunandamma.
5. Money Madness by G. Chandrashekara

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### **SEMESTER IV: VIGYANA GANGOTHRI – 4 (KAVYA AND BHASHE)**

#### **Kavya – Part 2:**

1. Selected Part of poems of Nayasena
2. Selected Part of poems of Pampa
3. Selected Part of poems of Nagachandra
4. Selected Part of poems of Ranna.
5. Selected Part of poems of Nagavarma-I
6. Malle Mahadeshwara Kavya by P.K. Rajashekar

#### **Bhashe:**

1. Writing skills of writing a business letter, parts of the letter
2. Govt. Official letter writing
3. Advertisement, Pamphlet, Banner, Poster
4. Reporting writing
5. Computer Knowledge in Kannada

COURSE OUTCOMES: DEPARTMENT OF HINDI

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### **SEMESTER I: KAHANI SAHITYA AUR VYAVAHARIK HINDI**

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## **JSS COLLEGE FOR WOMENS CHAMARAJANAGARA**

- Deliberate in detail short stories of 20<sup>th</sup> Century.
- Deliberate in detail ‘Thakurkakuwa’ by Premchand.
- Understand the classification and characteristics of ‘Usnekahatha’ by Chandradhar Sharma Guleri.
- Learn the details of Communicative Hindi.
- Identify in depth Communicative Hindi.
- Deliberate in depth Communicative Hindi.

### **SEMESTER II: HINDI GADYA SAHITYA AUR HINDI PATRAKARITA**

- Understand history, importance of Hindi Journalism.
- Understand the details of prose of 20<sup>th</sup> Century.
- Understand the details of nature of language related to Mass media.
- Identify the chief Journalists and Journals of Hindi.

### **SEMESTER III: PADYA SAHITYA AUR ANUVAD**

- Deliberate the classification and characteristics of medieval and modern Hindi padya.
- Understand the details of KABIR by Saakhi.
- Identify the characteristics of TAJ by Sumitranandan Pant.
- Learn in depth GURUDAKSHINA by Ramkumar Varma.
- Understand the characteristics of Hindi Anuvad.

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### **SEMESTER IV: HINDI NATAK SAHITYA AUR PRAYOJANMOOLAK HINDI**

- Learn in details Drama – MADHAVI by Bheeshma Sahani.
  - Learn the classification and characteristics of Prayojanmoolak Hindi.
- 
- Learn the application of Prayojanmoolak Hindi.

## **COURSE OUTCOMES: DEPARTMENT OF SANSKRIT**

### **SEMESTER I**

- Explanation and life story of Vidyavathidevi.
- To enhance the interest of student toward Vivekananda speech in Chicagoupanaysa.
- Introduction of Naveenakavilakshmanasoori to students.
- To enhance the students to know about the Mahabharatha Parvas.
- In sabhaparvapandavas made a Raja soyayagawith explanation.

### **SEMESTER II**

- Special introduction of Valmiki.
- Special reference to the helplessness of Dasharatha the cunning kaikai and the balanced mindset of Rama.
- Extensive explanation about the poet Kaviratnakalidasa and about the Mahakavya "Kumarasambhava".
- Explaining the generous quality of karthikeya.
- Grammar pertaining to lesson.

### **SEMESTER III**

- Extensive study on Mahadevi Bhasa.
- Explaining the story of vatsarajaudayana.
- Knowing about the title of Nataka.
- Explaining about the duties of king

### **SEMESTER IV**

- Explanation and life story of Rajendra Prasad.
- Explanation and life story of Mahatma Gandhi.
- Explanation and life story of Buddha.
- The journey of Thirtayatravarnanam.
- To enhance the students about Sanskrit letter letterwriting.
- Knowing about Sanskrit essay.

## **COURSE OUTCOMES: DEPARTMENT OF ENGLISH**

### **SEMESTER I**

- Analyzing poetry to understand social issue through literature
  - Identify and overcome the prejudices in society with help of short stories
  - Improving reading, listening and speaking skill along with basic sentence formation lessons
  - Differentiating the genres of literature
  - Developing aesthetic, realistic and metaphorical views and importance of water through the poetry and short stories
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## **SEMESTER II**

- Analyzing topics based on contemporary pragmatism and how to deal with it.
- Explaining the struggle of freedom and struggle to survive with the freedom.
- Applying the mind to reciprocate with the modern values and age old traditions through short stories.
- Differentiating and appreciating the village culture and urban lifestyle and to explore people, culture and literature.
- Students develop ability to communicate confidently with the help of exercises like writing paragraphs, framing question and analyzing paragraph.

## **SEMESTER III**

- Incepting moral values, cultures, traditions and lifestyle through the novel like, The Financial Expert
- Develop the sensitivity towards the Social issues with the help of author like, R K Narayan.
- Analyzing prose to understand peculiarities and patterns of human behavior
- Students develop their ability in communicating skills like, framing sentences, identifying adverbs and analyzing paragraph

## **SEMESTER IV**

- Practical knowledge of how to face interviews, writing different kind of letters, reports, reviews, poetry, acknowledgements and references
- Introducing them to the different genre of literature by introducing to play like, REFUND
- Introducing them to critically examine the problems in society

## **COURSE OUTCOMES: ENVIRONMENTAL STUDIES**

### **SEMESTER III**

- After studying this course students gain the knowledge of complex environmental issues.
- Students gain the knowledge of natural resources viz., forest resources water resources, mineral resources, food sources energy and land resources.,
- Students gain the comprehensive knowledge of energy flow in eco system, food chains, food webs and ecological pyramids.
- They should understand the types, characteristic features, structures and functions of forest, grass land, desert and aquatic eco systems.
- Students gain the knowledge about biodiversity at global, national and local levels and treats to biodiversity.
- They should understand the causes, effects and measures of air pollution, water pollution, soil pollution, marine pollution, thermal pollution, nuclear pollution, and nuclear hazards
- They gain the knowledge about water conservation. rain water harvesting, watershed management, and environmental ethics, global warming, acid rain, ozone layer depletion and

environmental acts.

- Students should understand population growth, population explosion, human rights, HIV and women welfare.

## **COURSE OUTCOMES: INDIAN CONSTITUTION- SEMESTER I/II**

- Salient feature of Citizenship
- Awareness about Fundamental Rights
- Knowledge of Directive principles of State policy
- Basic concepts of Fundamental Duties
- Understand the details of supreme court of India
- Specify in details the right to information act

## **COURSE OUTCOMES: DEPARTMENT OF BUSINESS ADMINISTRATION**

### **SEMESTER I DSC-1 FINANCIAL ACCOUNTING–I**

- To accurately prepare an organizations final accounts for a specific period.
- To provide a reliable set of data with which to prepare financial report for analysis purposes(for lenders, investors, owners).

### **SEMESTER I DSC- 2 PRINCIPLES OF MANAGEMENT**

- The main objective of management is to secure maximum output with minimum effort.
- They should be consistent with the organizational policies and procedures.
- Objectives promote motivation empowerment of employers.

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### **SEMESTER I DSC- 3 BUSINESS ENVIRONMENT**

- Explain the concept of the various constituents of environment and their impact on businesses.
- Apply the trade theories, investment theories, exchange rate theories and regional trading bloc theories and their impact on economic welfare.
- Integrate the concept and opening economies of developing countries like India through RTB and multilateral route (WTO).

### **SEMESTER II DSC- 4 BUSINESS DECISION THEORIES**

- To understand the concepts of cost, nature of production and its relationship to Business operations.
- To apply marginal analysis to the “firm” under different market conditions.
- To analyze the causes and consequences of different market conditions.
- To integrate the concept of price and output decisions of firms under various market structure.

### **SEMESTER II DSC-5 MANAGEMENT OF SERVICES**

- Describe operational, business, financial and traditional risk.
- Distinguish among various financial intermediaries and markets.

### **SEMESTER II DSC-6 FINANCIAL ACCOUNTING-II**

- Understand the concept of Consignment and learn the accounting treatment of the various aspects of consignment
- Distinguish Joint Venture and Partnership and to learn the methods of maintaining records under Joint Venture
- Distinguish between Single Entry and Double Entry • Know the ascertainment of profit under Single Entry system

### **III SEMESTER DSC-7 MANAGEMENT INFORMATION SYSTEM**

- MIS is designed to meet the information.
- Main goal of MIS is to help executives of an organization.
- The purpose of managing the organization in a better way for competitive advantage

### **III SEMESTER DSC-8 FINANCIAL ACCOUNTING-III**

- Demonstrate the applicability of the concept of Accounting to understand the managerial Decisions and financial statements
- Apply the Financial Statement Analysis associated with Financial Data in the organization.
- Analyze the complexities associated with management of cost of product and services in the organization

### **III SEMESTER DSC-9 COST ACCOUNTING**

- The course aims to make the student understand and effectively use the costing systems for production and service industries.
- Explain the basic concept of cost and how costs are presented in financial statements.
- Demonstrate how materials, labor and overhead costs are added to a product at each stage of the production cycle

### **III SEMESTER AECC- DISASTER MANAGEMENT**

- Students can identify the causes for disaster, vulnerability, differential impacts.
- Students are able to know strategies for prevention and disaster risk reduction.
- Students are aware of differential impacts, climate change adaptation.
- Students able to gain basic knowledge of different components of disaster risk management

### **SEMESTER DSC-10 QUANTITATIVE TECHNIQUES**

- Understand various quantitative & statistical methods

- Understand data and draw inference from data
- Calculate and interpret statistical values by using statistical tool (correlation & regression)
- Demonstrate an ability to apply various statistical tool to solve business problem

#### **SEMESTER DSC-11 COMMERCIAL LAW**

- Understanding basic principles and origins in the area of commercial law,
- Theoretical and practical preparation enabling students to acquire knowledge and skills related to commercial law.

#### **IV SEMESTER DSC-12 ORGANISATIONAL BEHAVIOUR**

- Demonstrate the applicability of the concept of organizational behavior to understand the behavior of people in the organization.
- Demonstrate the applicability of analyzing the complexities associated with management of individual behavior in the organization.
- Analyze the complexities associated with management of the group behavior in the organization.
- Demonstrate how the organizational behavior can integrate in understanding the motivation(why) behind behavior of people in the organization.

#### **IV SEMESTER DSC-13 MANAGEMENT ACCOUNTING**

- Students develop the ability to collect analyze quantitative information in making more effective planning and control decisions
- Students gain basic ideas regarding various management accounting concepts & techniques and also emphasis the need of management accounting in the decision-making process

#### **V SEMESTER DSC-14 COMPANY LAW**

- Know about the concept of company and shares.
- Know about the company law in the India.
- Understand the use of the memorandum of association and article of association in a company, they also learn from this course.
- Use of prospectus in a company.
- Understand the relationship between company and debenture holders.

#### **V SEMESTER DSC-15 BUSINESS STATISTICS**

- Student will able to independently calculate basic statistical parameters (mean, measures of dispersion, correlation coefficient, indexes)
- Student will able to interpret the meaning of the calculated statistical indicators
- Student will able to choose a statistical method for solving practical problems
- Student will able to explain probability theory and probability distributions in relation to general statistical analysis.

#### **V SEMESTER DSC-16 TAX MANAGEMENT-I**

- Able to compute total income and define tax complications and structure.



- Able to understand amendments made from time to time in Finance Act.
- Differentiate between direct and indirect tax assessment.

#### **V SEMESTER SEC-1 BUSINESS RESEARCH METHOD**

- Able to identify the key debate in research method
- Able to understand the issue relating to identifying and reformulating problems for research
- Able to understand the learning and teaching strategy

#### **V SEMESTER DSE-1 FINANCIAL MANAGEMENT ELECTIVE- I**

- Able to understanding of the overall role and importance of the finance function.
- Able to basic finance management knowledge.
- Able to communicate effectively using standard business terminology.

#### **V SEMESTER DSE-2 FINANCIAL MANAGEMENT ELECTIVE- II**

- Able to evaluate firm's profitability, liquidity, risk and operating flexibility.
- Able to Plan analytical skills, tools and techniques to enhance the decision-making process.
- Formulate appropriate working capital management policies to achieve corporate objectives.

#### **VI SEMESTER DSC-17 ENTREPRENEURSHIP AND SMALL BUSINESS MANAGEMENT**

- The student should be able to Develop an understanding of entrepreneurship and small business and appreciate their role in an economy,
- Develop and demonstrate competence in basic business and marketing planning
- Demonstrate competence in identifying opportunities and challenges that entrepreneurs and small business owners/managers face - both in FSM and in general - in trying to achieve their business objective

#### **VI SEMESTER DSC-18 BUSINESS STATISTICS-II**

- Student will able to explain probability theory and probability distributions in relation to general statistical analysis.
- Student will able to Understand and appreciate the need to solve a variety of business related problems using a systematic approach involving accepted statistical techniques.

#### **VI SEMESTER DSC-19 TAX MANAGEMENT-II**

- Students of the course will able to state the use of various deductions to reduce the taxable income.
- Students of the course will be able to explain different types of incomes and their taxability and expenses and their deductibility

#### **VI SEMESTER SEC-2 BUSINESS POLICY**

- Analyze the relationship between the global business environment and strategic decisions
- Discuss business strategy clearly and professionally
- Recognize the relationship between the global business environment and strategic decisions

#### **VI SEMESTER DSE-3 FINANCIAL MANAGEMENT ELECTIVE- III**

- Describe the dimensions of performance and risk relevant to financial services companies.
- Calculate contemporary financial measures of performance and risk.
- Explain how the financial services component industries (insurance, banking, securities, real estate and financial planning) interact.

#### **VI SEMESTER DSE-4 FINANCIAL MANAGEMENT ELECTIVE- IV**

- Able to develop investment policy statements for institutional and individual investors.
- Able to adjust financial statements for valuation purpose
- Able to develop an appropriate portfolio for a given investor and market condition



## **PROGRAM OUTCOMES AND COURSE OUTCOMES**

### **Program Outcomes:**

- Work effectively both as an individual and a team leader on multi-disciplinary projects.
- Inculcates the ability to analyze, identify, formulate and develop computer applications using modern computing tools and techniques.
- Improve communication skills to effectively present technical information in oral and written reports.
- Create design innovative methodologies for solving complex/ real life problems for the betterment of the society.
- Integrate ethics and values in designing computer application.
- Promote the use of open-source technology.
- Become an educated, ethical and responsible citizens
- Develop competence to write competitive examinations
- Demonstrate skill of Computer Applications in Data Structures and Programming Languages, Databases, Software Engineering, Computer Networking, Cyber Security, Web designing, Image Processing, Big data analysis, etc.

### **COURSE OUTCOMES: DEPARTMENT OF COMPUTER APPLICATION**

#### **SEMESTER I: COMPUTER CONCEPTS & C PROGRAMMING (DSC – 1)**

- Understand, analyze and apply computing knowledge to develop appropriate solution.
- Learn to develop algorithms.
- Learn and enhance Programming skills.
- Learn to develop IT based solutions to meet the user need.

#### **SEMESTER I: DIGITAL ELECTRONICS & COMPUTER ORGANIZATION (DSC – 2)**

- Understand basics of digital electronics and various number systems.
- Understand the functioning of various IC circuits.
- Understand the functional organization of a computer system.

#### **SEMESTER I: DISCRETE TRANSFORMATION (DSC – 3)**

- Learn the concepts of Set theory.
- Understand the concepts of graph theory and apply to solve real time problems.
- Learn the concepts of Trees, Tree Traversal, Spanning Trees, Minimum Spanning Trees.
- Understand Mathematical Induction & Recursion

**SEMESTER II: DATA STRUCTURES AND FILE PROCESSING (DSC – 4)**

- Understand the basic data structure, classification, applications and memory representation.
- Learn the implementation of trees as non-primitive data structure using linked list representation.
- Learn to develop programs to illustrate operations as creation, insertion, deletion, display, searching, sorting, traversing etc on data structure.
- Understand the characteristics of storage devices.

**SEMESTER II: SYSTEM SOFTWARE AND OPERATING SYSTEM (DSC – 5)**

- Learn and understand the machine architecture, assembler and Loaders.
- Differentiate software and their functions.
- Learn about the functions of operating system.
- Learn scheduling and deadlock concepts.
- Understand various memory management techniques.

**SEMESTER II: FUNDAMENTALS OF INFORMATION TECHNOLOGY (DSC – 6)**

- Learn basic components of a digital computer and their functions using block diagram.
- Learn about the generations of digital computers.
- Understand the various input and output devices.
- Understand the primary and secondary storage devices.
- Differentiate hardware, software.
- Learn the basics of computer network, types of network as LAN, WAN, MAN
- Functioning of Internet, WWW, E-Mail, E-commerce, EDI, etc.
- Understand Cyber law, cyber crime & Cyber banking.

**SEMESTER III: OBJECT ORIENTED PROGRAMING USING JAVA (DSC – 7)**

- Learn java features and the evolution of Java.
- Understand the java support systems, java environment, java virtual machine.
- Learn to develop java program to solve various problems.
- Learn to develop java programs using decision statements, looping statements.
- Learn to develop java program to implement class, interfaces, inheritance, Multithreading, using various packages.
- Develop programs using Applets and the GUI components of JAVA.

**SEMESTER III: OPERATION RESEARCH (DSC – 8)**

- Understand the term operation research, basic concepts of operation research, its principles of modeling, features.

- Using LPP to solve problems and obtain optimum solutions.
- Learn to use simplex method, graphical method to solve LPP.
- Learn to solve problems using two-Phase method, Big-M method.
- Learn various methods to solve transportation problems and assignment problems.
- Learn the basic concepts and methods of game theory.

### **SEMESTER III: ACCOUNTING (DSC – 9)**

- Understand basic concepts, principles and conventions of accounting.
- Learn about Various methods of book keeping.
- Learn to prepare final accounts.
- Solve problems of financial management, fund flow statement and budgetary control.

### **SEMESTER IV: DATABASE MANAGEMENT SYSTEMS (DSC-10)**

- Learn the basics concepts of database systems and architecture.
- Understand the various data models, schemas and instances.
- Learn about the transaction, its states etc.
- Understand relational data model, constraints and relational algebra
- Learn the Codd's Rules.
- Learn to develop SQL statements to implement the database functions.

### **SEMESTER IV: NUMERICAL AND STATISTICAL ANALYSIS (DSC-11)**

- Learn about the computer arithmetic and how numbers is represented using floating point representation.
- Learn the concept and importance of normalization and its consequences.
- Learn to find roots using iterative methods such as bisection method, newton Raphson, secant method.
- Using gauss Jordon, gauss elimination and gauss seidel method to solve simultaneous linear equations.
- Solving ordinary differential equations using euler's method, runge kutta 2nd and 4th order.
- Learn the statistical methods as mean, median, mod, standard deviation etc.

### **SEMESTER IV: DATA COMMUNICATION AND COMPUTER NETWORKS (DSC-12)**

- Learn the basics of data communication and networking.
- Understand the different mods of communication, guided and unguided media.
- Differentiate digital and analog signals using various transmission methods.
- Using hamming code for error detection.
- Learn about different layers of protocols as IP, FIP, TELNET, POP3, IPV\$, IPV6 etc.

- Understand the usage of Routers, gateway services for inter-networking and intra-networking.

#### **SEMESTER V: CLOUD COMPUTING & BIG DATA ANALYTICS (ELECTIVE -I)**

- Understand the need and benefits of cloud computing.
- Learn about the cloud solutions and how the cloud service provider designs the cloud infrastructure to match the client needs.
- Learn about how the client can choose the appropriate cloud to satisfy his business needs.
- Understand cloud and virtualization.
- Learn about various cloud deployment models, cloud services etc.
- Understand big data, the big data acquisition, big data management, sources of big data.
- Learn the data preprocessing and analytics techniques with some real world examples.

#### **SEMESTER V: DIGITAL IMAGE PROCESSING (ELECTIVE -II)**

- Understand the fundamentals of digital image, its representation on digital computers.
- Learn the image enhancement techniques.
- Learn image restoration and color image processing concepts as noise models, filtering etc.
- Understand the color fundamentals, segmentation models and transmission.
- Learn the different techniques of image compression.

#### **SEMESTER V: NETWORK SECURITY (ELECTIVE -III)**

- Understand the basics of security over network.
- Learn the different Cryptographic Attacks, Services and Mechanism.
- Learn the usage of traditional symmetric key ciphers.
- Understand the use of Encipherment using Modern Symmetric-Key Ciphers
- Learn the cryptography hash functions, digital signature, symmetric key distributions etc.

#### **SEMESTER V: DTP (SEC-1)**

- Learn the basics page layout, tools and workspace.
- Learn to create labels, pamphlets, bill books, greeting cards etc.
- Learn different drawing shapes and graphics.

#### **SEMESTER V: LATEX (SEC-2)**

- Learn to install latex software.
- Understand the basics of latex.
- Learn to create documents using latex.

#### **SEMESTER VI: .NET PROGRAMMING (ELECTIVE -IV)**

- Learn the basic concepts of object oriented programming and the features of C#.
- Implementing the oops concepts using C#.
- Develop program to implement expressions, operators, decisions, looping statements, string handling, array list.
- Learn to develop program to implement inheritance and polymorphism, overloading.
- Understand the usage of delegates and events and exception handling.
- Learn to develop programs using the GUI component of C# to create web pages.

- Learn to develop programs to link C# program and the database.

#### **SEMESTER IV: WEB TECHNOLOGY (ELECTIVE -V)**

- Learn the basics of web, internet, WWW, web browsers, web servers.
- Learn XHTML syntax and components and to develop web pages.
- Understand the CSS.
- Learn to program web page using javascript.
- Learn how to link javascript and html documents to create web pages.
- Understand and learn the PHP.
- Using the HTML, XHTML, JavaScript, PHP, the student can learn to develop a web site of his own.

#### **SEMESTER VI: PROJECT**

- Learn the necessary skills to understand and analyze the needs to develop a project in Computer Science as a team work.
- Learn about literature survey techniques and its implementation in the project.
- Improve communication skills and effective presentations.
- Learn to write reports.

#### **SEMESTER VI: PYTHON (SEC-3)**

- Learn the basic concepts of Python language.
- Learn to write program using python datatypes, user defined functions, decision and looping statements, conditional and unconditional statements.
- Learn to develop python program using fruitful functions, strings, lists, tuples and dictionaries.

#### **SEMESTER VI: ANDROID (SEC-4)**

- Learn the basics of mobile technology.
- Learn the features of android as an open platform to develop mobile applications.
- Learn to write android program to develop simple calculator, quiz gaming, etc.

## **PROGRAMME OUTCOMES 2020-21**

### **PROGRAMME: M COM**

#### **PROGRAM OUTCOME**

- To provide a systematic and rigorous learning and exposure to Banking and Finance related disciplines.
- To train the student to develop conceptual, applied and research skills as well as competencies required for effective problem solving and right decision making in routine and special activities relevant to financial management and Banking Transactions of a business.
- To acquaint a student with conventional as well as contemporary areas in the discipline of Commerce.
- To enable a student well versed in national as well as international trends.
- To facilitate the students for conducting business, accounting and auditing practices, role of regulatory bodies in corporate and financial sectors nature of various financial instruments.
- To provide in-depth understanding of all core areas specifically Advanced Accounting, International Accounting, Management, Security Market Operations and Business Environment, Research Methodology and Tax planning.

#### **PROGRAM SPECIFIC OUTCOME**

- After Completing Masters in Commerce students are able to
- Develop an ability to apply knowledge acquired in problem solving.
- Ability to work in teams with enhanced interpersonal skills and communication.
- The students can work in different domains like Accounting, Taxation, RM, Banking and Administration.
- Ability to start their own business.
- Ability to work in MNCs as well as pvt, and public companies.
- To develop team work, leadership and managerial and administrative skills.
- Students can go further for professional courses like CA/ CS/CMA/CFA

### **COURSE OUTCOMES: DEPARTMENT OF COMMERECE**

#### **SEMESTER I**

##### **Management Accounting**

- To develop an understanding of the conceptual framework of the Management Accounting.
- To provide the knowledge in the Management Accounting Techniques in business decision making.

##### **Strategic Management**

- To provide understanding of the Tasks, Functions and Skills of strategic management and latest developments.



- To aware the students about principles and functions of strategic management.

### **Advance Accounting**

- To impart knowledge of a theoretical foundation for the preparation and presentation of financial statements
- To inculcate the understanding of rules of measurement and reporting relating to various types of business entities.

### **Income Tax**

- The student will be versed in the fundamental concepts of different aspects of income tax.
- The students can understand Income Tax system properly, and can get the knowledge of different tax provisions.
- To give knowledge about Submission of Income Tax Return, Advance Tax, and Tax deducted at Source, Tax Collection Authorities under the Income Tax Act, 1961.

### **Production Operation Management**

- To impart knowledge about the scope, importance and functions of operation management.

### **Financial Management**

- To develop knowledge about Business Finance and the background of Accounting and Management
- To make students aware about the challenges and opportunities of Financial Management

## **SEMESTER II**

### **Financial Analysis & Control**

- facilitate students to acquire sound knowledge of concepts, methods and techniques of management accounting
- To aware the students develop competence with their usage in managerial decision making and control.

### **Industrial Economics**

- To learn the basic concepts of Industrial Economics.
- To study the problems and significance of Industrialization.
- To learn the impact of Industrialization on Indian Economy.

### **Advanced Accounting and Taxation Special Paper III (Specialized Areas in Accounting)**

- To inculcate the competency to the students to solve problems relating Special areas in accounting including accounting for Services Sector.
- To understand the Financial Reporting Practices.
- To aware the student with procedure of accounting for Taxation.

### **Advanced Accounting and Taxation (Business Tax Assessment & Planning)**

- To provide understanding of Direct Taxes and to learn the rules and their application s to

different business situation.

- To make aware about the principles underlying the Service Tax
- To familiarize with basic concepts of VAT, Excise Duty and Customs Duty

#### **Business Administration (Paper IV) Elements of Knowledge Management**

- To provide knowledge about management process and evolution of management.
- To impart knowledge about Knowledge Management Culture and Knowledge Management Tools.

#### **Business Ethics**

- To provide knowledge of business ethics, professional and human values and ethical system at general level.
- To gain knowledge about Indian ethical practices.

### **SEMESTER III**

#### **Business Finance**

- To familiarize the students to acquire sound knowledge of concepts, structure and nature of business finance.
- To impart knowledge regarding strategic financial planning.

#### **Research Methodology for Business**

- To explain the students with the areas of Business Research Activities.
- To enhance capabilities of students to conduct the research in the field of social sciences and business.
- To facilitate students, in developing the most appropriate methodology for their research studies.
- To aware the students with the art of using different research methods and techniques.

#### **Organizational & Behavior**

- To provide in depth knowledge about process of formation of group behavior in an organization set up
- To make the students understand various concepts of organization behavior

#### **Human Resource Management**

- To explain the students with in-depth knowledge of HRM.
- To develop among students various practices followed by HR managers.
- To create understanding about recent trends and innovations in HRM

#### **Specialized Areas in Auditing Advanced Auditing**

- To provide knowledge and develop understanding of methods of audit in specialized areas.
- To provide knowledge of cooperative societies audits

## **SEMESTER IV**

### **Capital Market & Financial Services**

- To make aware students about to acquire sound knowledge, concept and structure of financial services and capital market.
- To impart knowledge of SEBI, Foreign capital, listing regulation.

### **Industrial Economic Environment**

- To understand and know the impact of globalization on trade, commerce and industry.
- To learn the growth and development of Indian Industries.

### **Advanced Accounting and Taxation: Recent Advances in Accounting, Taxation and Auditing**

- To up-date the students with recent developments in the Subject.
- To inculcate the habit of referring to various periodicals and publications in the given subject, apart from text books and reference books
- To develop the ability to read, understand, interpret and Summaries various articles from newspapers, journals etc.

### **Recent Advances in Business Administration**

- To acquaint the students with current trends in Business Administration
- To impart knowledge of various approaches to management.
- To aware students about cross-cultural management system