Course Title: Karnataka Government and Politics	
Semester: V	Course Code: POL C11
Total Contact Hours: 60	Course Credits: 4
No. of Teaching Hours/Week:4	Duration of ESA/Exam: 2 Hours
Formative Assessment Marks: 40	Summative Assessment Marks: 60+40=100

Course Objectives:

The course will help to understand the political transformation Karnataka State from princely State of Mysore. It aims at understanding of the social bases and the major issues that confronted the evolution of Karnataka politics within the domain of national politics.

Learning Outcome:

At the end of the course the students shall -

- Understand the social and political conditions of Mysore under colonial rule.
- Develop perspectives on the important persons and organisations that were involved in the process of unification.
- Analyse the issues related to regionalism, polarisation, identity politics, water, language, and border issues.

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B.A. Semester–V
SEC -1

Course Title: Writing for Media
Course Code: 015ENG061

Type of Course	Theory /Practical	Credits	Instruction hour/week	Total No. of Lectures/Hours /Semester	Duration Of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
SEC-1	**Theory**	**02**	**02**	**30**	**1 hour**	**20**	**30**	**50**

* In lieu of internship, 01 additional SEC/ Course based Activities may be offered

Course Outcomes (COs): At the end of the course students will be able to acquire:

CO1: Writing Process
CO2: Editing Skills
CO3: Knowledge of Mass Communication
CO4: Knowledge of Print Media
CO5: Knowledge of Electronic Media

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Name of the Program: Bachelor of Commerce (B.Com.) Course Code: COM .5.1 Name of the Course: Financial Management		
Course Credits	**No. of Hours per Week**	**Total No. of Teaching Hours**
4 Credits	4 Hrs	60 Hrs
Pedagogy: Classrooms lecture, Case studies, Tutorial Classes, Group discussion, Seminar & field work etc.,		
Course Outcomes: On successful completion of the course, the students' will be able to a) Understand the role of financial managers effectively in an organization. b) Apply the compounding & discounting techniques for time value of money. c) Take investment decision with appropriate capital budgeting techniquesfor investment proposals. d) Understand the factors influencing the capital structure of an organization. e) Estimate the working capital requirement for the smooth running of the business		

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BOTANY Curriculum

Plant Morphology and Taxonomy (Theory)

Program Name	B.Sc. in BOTANY	Semester	V
Course Title	Plant Morphology and Taxonomy (Theory)		
Course Code:	DSC – BOT-C9 - T	No. of Credits	04
Contact hours	60 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Pre-requisite(s):

Course Outcomes (COs): After the successful completion of the course, the student will be able to.

CO1. Understanding the main features in Angiosperm evolution

CO2. Ability to identify, classify and describe a plant in scientific terms, thereby, Identification of plants using dichotomous keys. Skill development in identification and classification of flowering plants.

CO3. Interpret the rules of ICN in botanical nomenclature.

CO4. Classify Plant Systematic and recognize the importance of herbarium and Virtual Herbarium. Evaluate the Important herbaria and botanical gardens.

CO5. Recognition of locally available angiosperm families and plants and economically important plants. Appreciation of human activities in conservation of useful plants from the past to the present.

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BOTANY Curriculum

Plant Morphology and Taxonomy (Theory)

Program Name	B.Sc. in BOTANY	Semester	V
Course Title	Plant Morphology and Taxonomy (Theory)		
Course Code:	DSC – BOT-C9 - T	No. of Credits	04
Contact hours	60 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Pre-requisite(s):

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

CO1. Understanding the main features in Angiosperm evolution

CO2. Ability to identify, classify and describe a plant in scientific terms, thereby, Identification of plants using dichotomous keys. Skill development in identification and classification of flowering plants.

CO3. Interpret the rules of ICN in botanical nomenclature.

CO4. Classify Plant Systematic and recognize the importance of herbarium and Virtual Herbarium. Evaluate the Important herbaria and botanical gardens.

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Course Code: CSDSC6T	**Course Title: Computer Networks**
Course Credits: 04	Hour of Teaching/Week: 04
Total Contact Hours: 52	Formative Assessment Marks: 40
Exam Marks: 60	Exam Duration: 02 Hours

Course Outcomes (Cos):

At the end of the course, students will be able to:

- Identify the different types of network topologies and Switching methods.
- Describe various Data link Layer Protocols.
- Identify the different types of network devices and their functions within anetwork.
- Analyze and Interpret various Data Kink Layer and Transport Layer protocols.
- Explain different application layer protocols.

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Model Curriculum

Program Name	B.Sc.	Semester	V
Course Title	**Chordates and Comparative Anatomy (Theory)**		
Course Code:	**ZOO C-11-T**	No. of Credits	**4**
Contact hours	**60 Hours (4 hrs/week)**	Duration of SEA/Exam	**2 hours**
Formative Assessment Marks	**40**	Summative Assessment Marks	**60**

Course Pre-requisite(s):

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

CO1. To demonstrate comprehensive identification abilities of chordate diversity

CO2. Able to explain structural and functional diversity of chordate diversity

CO3. To understand evolutionary relationship amongst chordates

CO4. To take up research in biological sciences.

CO5. To realize that very similar physiological mechanisms are used in very diverse organisms.

CO6. To Get a flavor of research by working on project besides improving their writing skills. It will further enable the students to think and interpret individually.

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Model Curriculum

Program Name	BSc in Physics	**Semester**	VI
Course Title	Elements of Condensed Matter & Nuclear Physics		
Course Code	PHY C14 - T	**No. of Credits**	4
Contact Hours	60 Hours	**Duration of SEA/Exam**	3 Hours
Formative Assessment Marks	40	**Summative Assessment Marks**	60

4

Course Pre-requisite(s):

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- Explain the basic properties of nucleus and get the idea of its inner information.
- Understand the concepts of binding energy and binding energy per nucleon v/s mass number graph.
- Describe the processes of alpha, beta and gamma decays based on well-established theories.
- Explain the basic aspects of interaction of gamma radiation with matter by photoelectric effect, Compton scattering and pair production.

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MATDSCP 5.1: Practical's on Real Analysis-II and Complex Analysis	
Practical Hours : 4 Hours/Week	**Credits: 2**
Total Practical Hours: 60 Hours	**Max. Marks: 50 (S.A.-25 + I.A. – 25)**

Course Learning Outcomes: This course will enable the students to

1. Learn *Free and Open Source Software (FOSS)* tools for computer programming
2. Solve problem on Real Analysis and Complex Analysis studied in **MATDSCT 5.1** by using FOSS software's.
3. Acquire knowledge of applications of Real Analysis and Complex Analysis through FOSS.

Practical/Lab Work to be performed in Computer Lab (FOSS) Suggested Software's: Maxima/Scilab /Python/R.

Suggested Programs:

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B.Sc. Semester–V

Discipline Specific Course (DSC)-10

Course Title: Inorganic Chemistry Practical:

Type of Course	Theory Practical	Credits	Instruction hour per week	Total No of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-10	**Practical**	**02**	**04**	**60 hrs.**	**3hrs.**	**25**	**25**	**50**

Course Outcomes (COs):At the end of the course, students will be able to:

1. Perform the various steps involved in Gravimetric Analysis of metal ions.

1. Gravimetric Analysis:

1. Determination of barium as $BaSO_4$.
2. Deter mination of iron as Fe_2O_3.
3. Determination of aluminum as Al_2O_3.
4. Determination of aluminum (III) using oxine.
5. Separation of Fe (II) and Ni (II) from the solution. Determination of Fe (II) gravimetrically and Ni (II) volumetrically
6. Separation of Fe (II) and Ni (II) from the solution. Determination of Ni (II) gravimetrically and Fe(II) volumetrically

2. To Learn the skills of Preparation of Coordination complexes

9/16

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