

CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS

Sub Code	: 10CIP18/10CIP28	IA Marks	: 25
Hrs/ Week	: 02	Exam Hours	: 02
Total Hrs.	: 26	Exam Marks	: 50

- 1 Preamble to the constitution of India. Fundamental rights under Part – III – details of Exercise of rights, Limitations & Important cases.
4 Hours
- 2 Relevance of Directive principles of State Policy under Part – IV. Fundamental duties & their significance.
3 Hours
- 3 Union Executive – President, Prime Minister, Parliament & the Supreme Court of India.
3 Hours
- 4 State executive – Governors, Chief Minister, State Legislator and High Courts.
3 Hours
- 5 Constitutional Provisions for Scheduled Castes & Tribes, Women & Children & Backward classes. Emergency Provisions.
4 Hours
- 6 Electoral process, Amendment procedure, 42nd, 44th, 74th, 76th, 86th and 91st Constitutional amendments.
3 Hours
- 7 Scope & aims of engineering Ethics. Responsibility of Engineers. Impediments to responsibility.
3 Hours
- 8 Honesty, Integrity and reliability, risks, safety & liability in engineering.
3 Hours

Text Books:

1. Durga Das Basu: "Introduction to the Constitution of India" (Students Edn.) Prentice – Hall EEE, 19th/20th Edn., 2001.
2. "Engineering Ethics" by Charles E. Haries, Michael. S. Pritchard and Michael J. Robins Thompson Asia, 2003-08-05.

Reference Books:

1. "An Introduction to Constitution of India" by M.V. Pylee, Vikas Publishing, 2002.
2. "Engineering Ethics" by M. Govindarajan, S. Natarajan, V.S. Senthilkumar., Prentice – Hall of India Pvt. Ltd. New Delhi, 2004.

Scheme of examination:

Question paper is of objective type. Students have to pass this subject compulsorily. However, marks will not be considered for awarding class/rank.



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ENVIRONMENTAL STUDIES

Sub Code	:	10CIV18/10CIV28	IA Marks	:	25
Hrs/ Week	:	02	Exam Hours	:	02
Total Hrs.	:	26	Exam Marks	:	50

PART – A

UNIT-1

Environment - Definition, Eco system -- Balanced ecosystem, Human activities - Food, Shelter, Economic and Social Security

3 Hours

UNIT-2

Effects of human activities on environment - Agriculture, Housing, Industry, Mining, and Transportation activities, Environmental Impact Assessment. Sustainable Development.

3 Hours

UNIT-3

Natural Resources - Water resources - Availability and Quality aspects. Water borne diseases, Water induced diseases, Fluoride problem in drinking water. Mineral Resources, Forest Wealth, Material Cycles - Carbon, Nitrogen and Sulphur Cycles.

4 Hours

UNIT-4

Energy - Different types of energy, Electro-magnetic radiation. Conventional and Non - Conventional sources - Hydro Electric, Fossil fuel based, Nuclear, Solar, Biomass and Bio-gas. Hydrogen as an alternative future source of Energy.

4 Hours

PART – B

UNIT-5

Environmental Pollution and their effects. Water pollution. Land pollution . Noise pollution . Public Health aspects.

3 Hours

UNIT-6

Current Environmental issues of importance: Population Growth, Climate change and Global warming - Effects, Urbanization, Automobile pollution

3 Hours



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UNIT-7

Acid Rain, Ozone layer depletion, Animal Husbandry

3 Hours

UNIT-8

Environmental Protection - Role of Government, Legal aspects, Initiatives by Non - Governmental Organizations (NGO), Environmental Education, Women Education.

3 Hours

Question paper is of objective type for 50 marks (**Fifty questions have to be set with 4 multiple choice answers**). Students have to pass the subject compulsorily. However, marks will not be considered for awarding class/rank.

Text Books:

- 1) Benny Joseph (2005), "Environmental Studies", Tata McGraw - Hill Publishing Company Limited
- 2) Ranjit Daniels R.J. and Jagdish Kirshnaswamy, (2009), "Environmental Studies", Wiley India Private Ltd., New Delhi
- 3) Rajagopalan R. (2005), "Environmental Studies – From Crisis to Cure", Oxford University Press

Reference Books:

- 1) Raman Sivakumar, (2005), "Principles of Environmental Science and Engineering", Second Edition, Cengage learning, Singapore
- 2) Meenakshi P. (2006), "Elements of Environmental Science and Engineering", Prentice Hall of India Private Limited, New Delhi
- 3) Prakash S.M. (2007), "Environmental Studies", Elite Publishers, Mangalore
- 4) Erach Bharucha (2005), "Text Book of Environmental Studies", for UGC, University Press
- 5) Tyler Miller Jr. G. (2004), "Environmental Science – Working with the Earth", Tenth Edition, Thomson Brooks/Cole
- 6) Tyler Miller Jr. G. (2006), "Environmental Science – Working with the Earth", Eleventh Edition, Thomson Brooks/Cole
- 7) "Text Book of Environmental and Ecology" by Dr. Pratibha Sing, Dr. Anoop Singh and Dr. Piyush Malaviya. Acme Learning Pvt. Ltd., New Delhi.



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UNIT-7

Acid Rain, Ozone layer depletion, Animal Husbandry

3 Hours

UNIT-8

Environmental Protection - Role of Government, Legal aspects, Initiatives by Non - Governmental Organizations (NGO), Environmental Education, Women Education.

3 Hours

Question paper is of objective type for 50 marks (**Fifty questions have to be set with 4 multiple choice answers**). Students have to pass the subject compulsorily. However, marks will not be considered for awarding class/rank.

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- 1) Benny Joseph (2005), "Environmental Studies", Tata McGraw - Hill Publishing Company Limited
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- 6) Tyler Miller Jr. G. (2006), "Environmental Science – Working with the Earth", Eleventh Edition, Thomson Brooks/Cole
- 7) "Text Book of Environmental and Ecology" by Dr. Pratibha Sing, Dr. Anoop Singh and Dr. Piyush Malaviya. Acme Learning Pvt. Ltd., New Delhi.



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FUNCTIONAL ENGLISH

Introduction	Importance of Languages	
Grammer	Parts of Speech, Usage of Preposition and Article, Punctuation	5 Hours
Tenses & Degrees of Comparison		3 Hours
Transformation of Sentences	Active-Passive, Affirmative-Negative, Exclamatory-Assertive, Interrogative-Assertive, Kinds of sentences	5 Hours
Direct-Indirect Speech		5 Hours
Vocabulary Usage	Homonyms, Correcting Spelling, One-word equivalents	7 Hours
Precis Writing		3 Hours
Essay/Report Writing		5 Hours
Letter Writing	Personal, Official, Applications	5 Hours
Idioms & Phrases	Meaning & Usage in sentences	5 Hours
Comprehension	Of an unseen passage	2 Hours
Elaboration	Expansion of ideas, proverbs	2 Hours
Presentation	Preparation of materials and presentation – step	3 Hours

Suggested Text Books:

- 1) Basic Grammer, SLN Sharma & K Shankaranarayana, Navakarnataka Publications.
- 2) New International Business English by Jones, published by Cambridge University Press.

Reference Books:

- 1) English Rank Scorer, G. Sankaran, Addone Publishing group, Thiruvananthapuram, Kerala
- 2) English Grammer, Wren & Martin
- 3) Oxford Guide to Speaking and Writing by John Seely, 2000



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KANNADA KALI

SYLLABUS

- Lesson 1 : Introducing each other – 1.
Personal Pronouns, Possessive forms, Interrogative words.
- Lesson 2 : Introducing each other – 2.
Personal Pronouns, Possessive forms, Yes/No Type
Interrogation
- Lesson 3 : About Ramanaya.
Possessive forms of nons, dubitive question, Relative nouns
- Lesson 4 : Enquiring about a room for rent.
Qualitative and quantitative adjectives.
- Lesson 5 : Enquiring about the college.
Predicative forms, locative case.
- Lesson 6 : In a hotel
Dative case defective verbs.
- Lesson 7 : Vegetable market.
Numeral, plurals.
- Lesson 8 : Planning for a picnic.
Imperative, Permissive, hortative.
- Lesson 9 : Conversation between Doctor and the patient.
Verb- iru, negation – illa, non – past tense.
- Lesson 10: Doctors advise to Patient.
Potential forms, no – past continuous.
- Lesson 11: Discussing about a film.
Past tense, negation.
- Lesson 12: About Brindavan Garden.
Past tense negation.


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- Lesson 13: About routine activities of a student.
Verbal Participle, reflexive form, negation.
- Lesson 14: Telephone conversation.
Past and present perfect past continuous and their negation.
- Lesson 15: About Halebid, Belur.
Relative participle, negation.
- Lesson 16: Discussing about examination and future plan.
Simple conditional and negative
- Lesson 17: Karnataka (Lesson for reading)
- Lesson 18: Kannada Bhaashe (Lesson for reading)
- Lesson 19: Mana taruva Sangati alla (Lesson for reading)
- Lesson 20: bEku bEDagaLu (lesson for reading)


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VI SEMESTER

MANAGEMENT AND ENTREPRENEURSHIP (Common to All Branches)

Subject Code	: 10AL61	IA Marks	: 25
Hours/Week	: 04	Exam Hours	: 03
Total Hours	: 52	Exam Marks	: 100

PART - A MANAGEMENT

UNIT - 1

Management: Introduction - Meaning - nature and characteristics of Management, Scope and Functional areas of management - Management as a science, art of profession - Management & Administration - Roles of Management, Levels of Management, Development of Management Thought - early management approaches - Modern management approaches.

7 Hours

UNIT - 2

Planning: Nature, importance and purpose of planning process Objectives - Types of plans (Meaning Only) - Decision making Importance of planning - steps in planning & planning premises - Hierarchy of plans.

6 Hours

UNIT - 3

Organizing And Staffing: Nature and purpose of organization Principles of organization - Types of organization - Departmentation Committees-Centralization Vs Decentralization of authority. and responsibility - Span of control - MBO and MBE (Meaning Only) Nature and importance of staffing - Process of Selection & Recruitment (in brief).

6 Hours

UNIT - 4

Directing & Controlling: Meaning and nature of directing Leadership styles, Motivation Theories, Communication - Meaning and importance - coordination, meaning and importance and Techniques of Co Ordination. Meaning and steps in controlling - Essentials of a sound control system - Methods of establishing control (in brief):

7 Hours



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PART-B
ENTREPRENEURSHIP

UNIT - 5

Entrepreneur: Meaning of Entrepreneur; Evolution of the Concept; Functions of an Entrepreneur. Types of Entrepreneur, Entrepreneur - an emerging. Class. Concept of Entrepreneurship - Evolution of Entrepreneurship. Development of Entrepreneurship; Stages in entrepreneurial process; Role of entrepreneurs in Economic Development; Entrepreneurship in India; Entrepreneurship - its Barriers.

6 Hours

UNIT - 6

Small Scale Industries: Definition; Characteristics; Need and rationale; Objectives; Scope; role of SSI in Economic Development. Advantages of SSI Steps to start and SSI - Government policy towards SSI; Different Policies of SSI; Government Support for SSI during 5 year plans. Impact of Liberalization, Privatization, Globalization on SSI Effect of WTO/GA TT Supporting Agencies of Government for SSI, Meaning, Nature of support; Objectives; Functions; Types of Help; Ancillary Industry and Tiny Industry (Definition Only)

7 Hours

UNIT - 7

Institutional Support: Different Schemes; TECKSOK; KIADB; KSSIDC; KSIMC; DIC Single Window Agency; SISI; NSIC; SIDBI; KSFC.

6 Hours

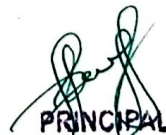
UNIT - 8

Preparation Of Project: Meaning of Project; Project Identification; Project Selection; Project Report; Need and Significance of Report; Contents; Formulation; Guidelines by Planning Commission for Project report; Network Analysis; Errors of Project Report; Project Appraisal. Identification of business opportunities: Market Feasibility Study; Technical Feasibility Study; Financial Feasibility Study & Social Feasibility Study.

7 Hours

TEXT BOOKS:

1. Principles of Management -- P. C.Tripathi, P.N. Reddy – Tata McGraw Hill
2. Dynamics of Entrepreneurial Development & Management Vasant Desai - Himalaya Publishing House
3. Entrepreneurship Development – Poornima. M. Charantimath Small Business Enterprises - Pearson Education - 2006 (2 & 4).


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