

FACULTY OF ENGINEERING

B.E. (ECE) VII -Semester (CBCS) (Backlog) Examination, March / April 2022

Subject: Human Values and Professional Ethics

Time: 3 Hours

Max. Marks: 70

(Missing data, if any, may be suitably assumed)

PART – A

Note: Answer all questions.

(10 x 2 = 20 Marks)

1. What is meant by the process of value education?
2. What is self -exploration?
3. Explain Happiness and Prosperity?
4. What do you mean by Sukh and Suvidha?
5. How does affection lead to harmony in the family?
6. Explain how trust and respect is the foundational value of a relationship?
7. Define harmony in nature?
8. What are the four orders of nature? Briefly explain them.
9. What do you mean by professional ethics?
10. What is Universal Human Order.?

PART – B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. (a) What do you mean by human values?
(b) How do right understanding, relationship and physical facilities help in fulfilling the aspirations of human beings?
12. (a) Human being is the co-existence of self and body? Elaborate on this statement.
(b) Differentiate between the Needs of self and Needs of the body.
13. (a) What is justice? How does it lead to mutual happiness?
(b) What are the foundational values of relationships? How can they be used to ensure strong and mutually relationships?
14. (a) Explain how there is recyclability and self-regulation in nature?
(b) How will you show interconnectedness and mutual fulfilment in four orders of nature with examples.
15. (a) What are the reasons of unethical practices in profession today? What is the real solution to the above problem? Give your opinion.
(b) What do you know by 'Ethical Human Conduct'? In what way is it imperative to be ethical along with being professionally competent?
16. (a) How does value education helps in fulfilling one's aspirations?
(b) What is the difference between prosperity and wealth? What is more acceptable to us and why?
17. (a) Define affection and explain how does it lead to harmony in the family?
(b) "Family is a basic unit of human interaction" – Elaborate.

FACULTY OF ENGINEERING

B.E. (Civil/EEE/EIE/CSE/CME/DS) I - Semester (Bridge Course) (AICTE) (NEW)

Examination, March/April 2022

Subject: Environmental Science

Time: 3 Hours

Max. Marks: 70

Note: (i) First question is compulsory and answer any four questions from the remaining six questions. Each question carries 14 marks.

(ii) Answer to each question must be written at one place only and in the same order as they occur in the question paper.

(iii) Missing data, if any, may be suitably assumed.

- 1 (a) What is wind energy? How it is used?
(b) Draw the figure for pyramid of energy.
(c) What is species diversity?
(d) Write the causes of ground water pollution.
(e) Differentiate between climate and weather.
(f) What is World food problem?
(g) What are the environmental impacts of climate change on environment?
- 2 (a) Explain in brief the need for awareness on environmental science.
(b) What are man induced landslides? Describe with the help of an example.
- 3 (a) Why should natural ecosystem and various forms of species be protected?
(b) Describe various trophic levels in an ecosystem.
- 4 (a) Select the major causes of human wild conflict. Discuss the remedial steps to curb the conflict.
(b) Write short notes on endangered and endemic species of India.
- 5 (a) What are the effects of uncontrolled dumping of solid waste?
(b) Discuss the salient features of Environmental Protection Act (1986).
- 6 (a) Write a detailed note on Global warming and its consequences.
(b) Explain disaster management cycle.
- 7 (a) Define water pollution and add a brief note on types of water pollutants.
(b) Differentiate conventional and non-conventional sources of energy.

FACULTY OF ENGINEERING

**B. E. (ECE/M/P/AE/I.T./AI & ML/AI & DS/IoT) I – Semester Bridge Course
(AICTE) (Main) (New) Examination, March / April 2022**

Subject: Indian Constitution

Time: 3 hours

Max. Marks: 70

**Note: i) First question is compulsory and answer any four questions from the remaining six questions. Each question carries 14 marks.
ii) Answers to each question must be written at one place only and in the same order as they occur in the question paper.
iii) Missing data, if any, may suitable be assumed.**

1. a) Why Indian Constitution is called borrowed Constitution.
b) Write a note on Election Procedure of President of India.
c) List a few Items Mention in the Residuary List & State List.
d) What do you understand by Decentralisation and its role in Administration of our country.
e) Write a note on Socialist Principals.
f) Write about the objectives of NITI Aayog.
g) How does Voting Behaviour effects of Elections?
2. a) Explain the Impact of British Imperialism in India.
b) Explain the salient features of Indian Constitution.
3. a) Describe the powers and functions the President of India.
b) Discuss the administrative Relations between Union Govt. and State Govt.
4. a) Explain the role and powers of Prime Minister of India in Indian Government.
b) Explain the powers and functions of Council of Ministers of the State.
5. a) Elucidate the characteristics of Directive Principles of State Policy.
b) Explain the Fundamental Rights and its importance enshrined in the Indian Constitution.
6. a) Explain the features of 74th Amendment Act.
b) Explain the relevance of Human Rights Commission in India.
7. a) Explain the powers and functions of Election Commission of India.
b) Examine the Role and composition of National Commission of Women.

FACULTY OF ENGINEERING
B.E. (Civil/EEE/EIE/CSE/CME/DS) I - Semester (Bridge Course) (AICTE)
(Backlog) (Old) Examination, March / April 2022

Subject: Environmental Science

Time: 3 Hours

Max. Marks: 70

(Missing data, if any, may be suitably assumed)

PART – A

Note: Answer all questions.

(10 x 2 = 20 Marks)

- 1 State the reasons of over exploitation of forests.
- 2 What is meant by eutrophication?
- 3 List out types of ecological succession.
- 4 Differentiate between food chain and food web.
- 5 What is meant by hotspots of biodiversity?
- 6 List out the aesthetic values of Biodiversity.
- 7 What is meant by Pollution?
- 8 Classify air pollutants with suitable examples.
- 9 List out few practices to reduce global warming.
- 10 Define Sustainable development.

PART – B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

- 11 (a) Define Land Degradation. Discuss the factors responsible for land degradation.
(b) Discuss the role of an individual in the conservation of natural resources.
- 12 (a) Discuss Desert Ecosystem.
(b) Explain the concept of energy flow in an ecosystem with the help of neat diagram.
- 13 (a) Describe the bio -geographical classification of India.
(b) Explain the different methods of conservation of Biodiversity.
- 14 (a) Define Solid waste management. Write the classification of solid wastes and their disposal methods.
(b) Describe global and national efforts to conserve Biodiversity.
- 15 (a) Discuss about watershed management.
(b) Describe Disaster Management in India.
- 16 (a) Explain the structure and function of a pond ecosystem.
(b) Discuss the various threats to biodiversity in detail.
- 17 (a) Discuss the importance of ozone layer and explain the possible consequences of depletion of ozone layer.
(b) Discuss the effects of disasters on development in detail.

FACULTY OF ENGINEERING
B.E. (ECE/M/P/AE/AI&ML/AI&DS/IoT/IT) I - Semester (Bridge Course) (AICTE)
(Backlog) (OLD) Examination, March / April 2022

Subject: Indian Constitution

Time: 3 Hours

Max. Marks: 70

(Missing data, if any, may be suitably assumed)

PART – A

Note: Answer all questions.

(10 x 2 = 20 Marks)

- 1 Describe the main features of the Government of India Act 1919.
- 2 Explain the main reason behind the formation of the Constituent Assembly.
- 3 Write about the Composition of the Electoral College which elects the President of India.
- 4 Explain the steps involved in the formation of Union Council of Ministers.
- 5 What is meant by Urban Government? Explain its functions.
- 6 Explain the importance of Right to Equality.
- 7 Examine the Gandhian (Directive) principles of State Policy.
- 8 List out the Fundamental Duties which the Citizens of India need to Fulfill.
- 9 Explain the Centre-State Administrative Relations.
- 10 Explain the functions of the Finance Commission.

PART – B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

- 11 Explain the composition and functions of the Constituent Assembly.
- 12 Describe the fundamental features of the Constitution of India.
- 13 Discuss the Emergency Powers of the President of India.
- 14 Examine the powers and functions of the Governor.
- 15 List out the Fundamental Rights as mentioned in the Constitution of India.
- 16 Examine the composition and functions of Inter-State Council.
- 17 Explain the composition and functions of the National Human Rights Commission.
