

FACULTY OF ENGINEERING

**B.E. (CE / EE / Inst. / CSE) (AICTE) IV – Semester (Main) Examination,
December 2020**

Subject: Indian Constitution

Time: 2 Hours

Max.Marks: 70

PART – A

Note: Answer any five questions.

(5 x 2 = 10 Marks)

- 1 Explain the main features of the Indian Councils Act 1909.
- 2 When and why the Constituent Assembly was formed?
- 3 Who appoints the Prime Minister of India? What are the functions of the Prime Minister?
- 4 What are Panchayati Raj Institutions? Name them.
- 5 List out the fundamental duties as enshrined in the Constitution of India.
- 6 What are Directive Principles? How are they useful?
- 7 Discuss the Centre-State Legislative Relations.
- 8 Explain the composition and functions of NITI Aayog.
- 9 Explain the functions of the Finance Commission of India.
- 10 Mention the composition and functions of the National Commission for Women.

PART – B

Note: Answer any four questions.

(4 x 15 = 60 Marks)

- 11 Examine the role of the Constituent Assembly in the making of the Indian Constitution.
- 12 Explain in detail the fundamental features of the Constitution of India.
- 13 Discuss the powers and functions of the President of India.
- 14 Critically analyze the role of Governor in the Administration of the State.
- 15 Explain in detail the fundamental rights as mentioned in the Constitution.
- 16 Examine the role of the Election Commission of India in conducting the elections.
- 17 Write short notes on:
 - a) Government of India Act, 1935.
 - b) Urban Government.
 - c) Inter-State Council.
 - d) National Human Rights Commission.

FACULTY OF ENGINEERING

**B.E. (ECE / M / P / AE / IT) IV-Semester (AICTE) (Main) Examination,
December 2020**

Subject : Environmental Science

Time : 2 hours

Max. Marks:70

PART – A

Note: Answer any five questions.

(5 x 2 = 10 Marks)

- 1 Differentiate between renewable and non-renewable energy resources.
- 2 Explain the ill effects of salinity of soil.
- 3 Distinguish between a lotic and lentic ecosystem.
- 4 What is an ecological pyramid?
- 5 List the various threats to biodiversity.
- 6 Define biodiversity hotspot.
- 7 What is air pollution.
- 8 Define biomedical waste.
- 9 Explain global warming.
- 10 What is watershed management?

PART – B

Note: Answer any four questions.

(4 x 15 = 60 Marks)

- 11 a) Critically comment on the conflicts of interstate sharing of water resources.
b) Illustrate the man's impact on environment.
- 12 a) Distinguish between food chain and food web. Illustrate with examples.
b) Discuss in detail the forest ecosystem.
- 13 a) Describe the bio-geographical classification of India.
b) What are endangered and endemic species? List the endangered and endemic species of India.
- 14 a) Write the salient features of Water Act 1974.
b) Define water pollution and write about the causes, effects and control measures.
- 15 a) State the different types of disasters. Discuss their ill effects on environment, infrastructure and development.
b) Discuss the importance of ozone layer and explain the possible consequences of depletion of ozone layer.
- 16 a) Define deforestation. Explain its causes and ill effects.
b) Explain the structure and function of a pond ecosystem.
- 17 a) Differentiate between genetic and species biodiversity.
b) Define soil pollution. What precautionary measures can be taken to control it.