

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.
