

FACULTY OF ENGINEERING

**B.E. (ECE/M/P/AE/IT) (AICTE) II – Semester (Main & Backlog) Examination,
December 2020**

Subject: Environmental Science

Time: 2 Hours

Max.Marks: 70

Note: (Missing any data if, any can be assumed suitable).

PART – A

Answer any five questions.

(5 x 2 = 10 Marks)

- 1 How public awareness and involvement can help in efforts of environmental protection?
- 2 List the effects of modern agriculture practices on the environment.
- 3 Describe the function of decomposers in food chain.
- 4 Briefly describe food chains with the help of a flow chart.
- 5 What is meant by productive use of biodiversity?
- 6 List the biogeographic zones of India.
- 7 Define air pollution along with the various types of pollutants.
- 8 List the salient features of air act.
- 9 List the impacts of disasters on the environment.
- 10 List the various stages of disaster management cycle.

PART – B

Answer any four questions.

(4 x 15 = 60 Marks)

- 11 a) Describe the multidisciplinary nature of environmental studies.
b) Discuss the benefits and problems of dams.
- 12 a) Discuss universal model energy flow in an ecosystem with the help of a diagram.
b) Discuss the pyramid of numbers with the help of a neat sketch.
- 13 a) Discuss types of biodiversity.
b) Discuss the various threats to biodiversity in detail.
- 14 a) Discuss the measures to control noise pollution in detail.
b) Discuss the salient features of Wildlife Act in detail.
- 15 a) Discuss the effects of disasters on development in detail.
b) Differentiate between disaster management and disaster mitigation with the help of examples.
- 16 a) Explain the impact of disasters on infrastructure.
b) Discuss the effects of over exploitation of forest resources.
- 17 a) Discuss the various methods for conservation of biodiversity.
b) Explain the sources, effects and control methods of water pollution.