

FACULTY OF ENGINEERING
B.E. I - Semester (AICTE) (New) (Main) Examination, July 2021

Subject: Environmental Science

Max. Marks: 70

Time: 2 Hours

- Note:** (i) First question is compulsory and answer any three questions from the remaining six questions.
(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.

Note: Answer any four questions.

(4x4 = 16 Marks)

- 1 (a) List the issues that warrant the need for public awareness in environmental studies.
(b) Define ecological succession with an example.
(c) List the various techniques of ex-situ conservation of plant species.
(d) List the various techniques for disposal of solid waste.
(e) Define watershed management.
(f) List the salient features of air act.
(g) List the basic principles of disaster mitigation.

(3x18 = 54Marks)

- (a) Describe the importance of environmental studies.
(b) Discuss the effects of modern agricultural system environment.
- 2 (a) Sketch the single channel flow of energy in an ecosystem.
(b) Describe the various ecological pyramids.
- 4 (a) Discuss the various levels of biodiversity with the help of a neat sketch.
(b) Discuss the various values of biodiversity with the help of a neat sketch.
- 5 (a) Define water pollution and discuss the various measures to control it.
(b) Discuss the bag filter to control measures of air pollution with the help of a sketch.
- 6 (a) Discuss the causes, effects and control measures of Ozone layer depletion.
(b) Discuss the causes and effects of acid rain with the help of an example.
- 7 (a) Discuss the various types of disasters in detail.
(b) Discuss about climate change & how it effects on human beings.