

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

Subject: Environmental Science

Time: 2 Hours

Max. Marks: 70

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)

- 2 (a) Describe the importance of environmental studies.
- (b) Discuss the effects of modern agricultural system environment.
- 3 (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.

FACULTY OF ENGINEERING

B.E. I - Semester (AICTE) (Backlog) Examination, July 2021

Subject: Environmental Science

Time: 2 Hours

Max.Marks: 70

Note: Missing data, if any, may be suitable assumed

PART – A

Answer any five questions

(5x2=10 Marks)

- 1 Write about water disputes between any two state or any two nations.
- 2 What is food chain and food web?
- 3 What are the different types of biodiversity?
- 4 What is acid rain?
- 5 Write short notes on global warming.
- 6 Write short notes on environmental issues in India.
- 7 Write the main objectives of environmental acts.
- 8 What is meant by the principle "To live and let live"? What is its significance?
- 9 Mention the merits of solar energy.
- 10 Write short notes on rain water harvesting.

PART – B

Answer any four questions

(4x15=60 Marks)

- 11 a) Discuss various beliefs of constituting a dam and its environmental consequences.
b) How can an individual conserve different naturel resources?
- 12 Explain the types of ecological pyramid in an ecosystem.
- 13 Explain the causes for loss of biodiversity. And write the various methods to conserve biodiversity.
- 14 Write critical notes on:
 - a) Eutrophication
 - b) Biological magnification
- 15 What is ozone? How does it protect the life on earth? And write the reasons for ozone depletion.
- 16 a) Write the salient features of the water(prevention and control of pollution) act 1974.
b) Explain various methods of solid waste disposal. Write the feasibility of these methods of disposal.
- 17 a) Explain the concept of sustainable development.
b) State how social values influence the environmental protection.