

Code: 13A01403

R13

B.Tech II Year II Semester (R13) Supplementary Examinations May/June 2017

ENVIRONMENTAL SCIENCE

(Common to CE, ME, ECE & EIE)

Time: 3 hours

Max. Marks: 70

PART - A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define environment.
 - (b) What are the types of natural resources?
 - (c) What are ecological pyramids? Give examples.
 - (d) Define species & genetic diversity.
 - (e) What is suspended particulate matter? Give example.
 - (f) Why do earth quake occur.
 - (g) Name few green-house gases.
 - (h) Explain acid-rain and its effects.
 - (i) What is the role of primary health care against AIDS?
 - (j) List the problems of population growth.

PART - B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT - I

- 2 What are dams and explain their effects on forest and tribal people? Explain with any one case study.
- OR
- 3 Explain in detail about food resources. What are the adverse effects of agricultural practices?

UNIT - II

- 4 Discuss the threats faced by Indian biodiversity.
- OR
- 5 Explain the components, characteristics and biodiversity of forest ecosystem.

UNIT - III

- 6 Define soil pollution. Give causes, effects and measures of soil pollution.
- OR
- 7 What do you mean by the term 'hazardous waste'? Also, discuss in detail the various characteristics of hazardous waste.

UNIT - IV

- 8 Discuss in detail about water act and wildlife act.
- OR
- 9 Discuss the agenda for sustainable development.

UNIT - V

- 10 Discuss the influence of environmental parameters and pollution on human health.
- OR
- 11 Discuss various issues & measures for women & child welfare at international & national level.