Code: 15A01101

R15

B.Tech I Year II Semester (R15) Regular Examinations May/June 2016
ENVIRONMENTAL STUDIES
(Common to CE, EEE and CSE)

Time: 3 hours   Max. Marks: 70

PART – A
(Compulsory Question)
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1   Answer the following: (10 X 02 = 20 Marks)
  (a) How awareness about environment help people to protect environment?
  (b) Define ecological Succession.
  (c) Differentiate between genetic and species diversity.
  (d) Write short notes on in-situ and ex-situ conservation of biodiversity.
  (e) Differentiate endangered and endemic species with examples.
  (f) What are the sources for noise pollution?
  (g) Brief photochemical smog.
  (h) What are the safety measures you will follow for the safety disposal of nuclear hazards?
  (i) What are primary and secondary air pollutants? Give any two examples.
  (j) What are the sources and effects of marine pollution with a case study?

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

UNIT – I

2   (a) Elaborate the different components and functions of an ecosystem.
    (b) Explain how the energy flow through the atmosphere.

OR

3   Describe the structure and functions of the forest ecosystem. Write short notes on Chipko movement.

UNIT – II

4   Explain measures to be taken to protect the biodiversity at global, national and local level.

OR

5   Explain about Carbon cycle & Nitrogen cycle with neat diagram.

UNIT – III

6   Describe the possible causes of landslides and write any precautionary measures for landslides.

OR

7   Explain the effects of Nuclear and Radiation Pollution.

UNIT – IV

8   Explain the harmful effects of fossil fuel over the environment? What are the steps you will take to overcome them?

OR

9   What adverse effects can municipal Solid waste cause? State the measures recommended for a proper management of the solid waste.

UNIT – V

10   What is an earth quake? Write its effects. What measures should be taken to mitigate the disaster?

OR

11   Discuss the causes, effects and control measures of thermal pollution.

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