

25/4/19

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

B.E /B.Tech/B.Arch END SEMESTER EXAMINATIONS, APR / MAY 2019
COMMON TO ALL BRANCHES
IV Semester
GE 8351 ENVIRONMENTAL SCIENCE AND ENGINEERING
(Regulation 2012)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What is the significance of food chain and food web?
2. Why ground vegetation cannot be found in rainforests?
3. What are endemic species? Name any two endemic species in Eastern Himalayas.
4. List any four effects of marine pollution.
5. Mention the major disaster management steps to be taken during floods.
6. What are the disadvantages of modern agricultural practices?
7. Mention two benefits and problems of dams?
8. What is acid rain? Give two case studies of acid rain.
9. What is population explosion?
10. What are the major objectives of wildlife protection act?



Part - B (5 x 16 = 80 marks)
(Question No.11 is Compulsory)

11. (i) Elaborate on the steps involved leading to primary autotrophic ecological succession. 8 marks
(ii) Appreciate the biodiversity of India with reference to the biogeographical classification and the presence of hotspots. 8 marks
12. a) How land degradation and soil erosion are depleting the land resources? Mention few steps to eradicate soil erosion. 16 marks

OR

b) Elaborate on any four renewable energy sources that can be harnessed by our country. 16 marks
13. a) Describe the causes, effects and control measures of air pollution. 16marks

OR

b) Explain causes, effects of soil pollution. Describe the various measures that can be taken to manage solid wastes. 16 marks



14. a) Elaborate on water conservation methods of rainwater harvesting and watershed management. 16marks

OR

b) "Global warming isn't a prediction anymore. Its happening." Comment on the causes, effects and the methods to tackle the impacts of global warming. 16marks

15. a) Discuss the various age pyramids and how it affects the population growth of the country. 16marks

OR

b) Discuss the role of IT in environment with respect to the usage of ENVIS, remote sensing and Geographic Information System (GIS). 16marks