

**I B.Tech I Semester Supplementary Examinations, Aug. 2015
ENVIRONMENTAL STUDIES**

**(Common to Mechanical Engineering, Electronics & Communication
Engineering, Chemical Engineering, Information Technology, Electronics &
Computer Engineering, Mining and Petroleum Technology)**

Time: 3 hours

Max Marks: 75

**Answer any FIVE Questions
All Questions carry equal marks**

1. Bring out the important contributions made by well noted and reputed personalities in contemporary India? [15]
2. (a) Critically discuss the socio-economic implications by de-vegetation and mining activity With a case study?
(b) List out the Coal and Iron mining areas in India and give what is the protocol to be followed to closed down in case of abandoned and empty mines? [8+7]
3. What are the different zones in a ocean. What role is played by oceans in terms of providing resources and regulating climate. [15]
4. (a) What is the role of biotechnology with reference to the biodiversity conservation.
(b) How did the green revolution affect the diversity of food plants? [8+7]
5. (a) What are major effects of radio active pollution on plants, animals and human beings?
(b) Explain the sources of radio active pollution? [8+7]
6. (a) Discuss the salient features of Wild life (protection) Act, 1972
(b) Discuss the salient features of Forest (conservation) Act, 1980 [8+7]
7. Write short notes on the following with examples
(a) Birth rate
(b) Death rate
(c) Poverty
(d) Migration [4+4+4+3]
8. (a) Write about the case study of water pollution that you have visited.
(b) What is the role of river water in the production of agriculture products in the country like India. [8+7]

I B.Tech I Semester Supplementary Examinations, Aug. 2015

ENVIRONMENTAL STUDIES

(Common to Mechanical Engineering, Electronics & Communication Engineering, Chemical Engineering, Information Technology, Electronics & Computer Engineering, Mining and Petroleum Technology)

Time: 3 hours

Max Marks: 75

**Answer any FIVE Questions
All Questions carry equal marks**

1. Mention briefly the contributions made by the following? WII, NEERI, Rajendra Singh, Anna Hazare and MSSRF. [15]
2. Describe the adverse effects by overexploitation of surface and ground water sources and how do pesticides and chemical fertilizers pollute these surface and ground water and endanger the life of humans and other life forms. [15]
3. Distinguish between the following:
(a) Gross primary productivity and Net primary productivity
(b) Grazing food chain and Detritus food chain
(c) Biome and Ecosystem [5+5+5]
4. (a) What kinds of threats to the biodiversity may lead to its loss?
(b) Explain about social value of biodiversity. [10+5]
5. (a) How to control thermal pollution in Industries?
(b) Define noise pollution? How noise pollution can be controlled? [7+8]
6. (a) What do you mean by 'environment refugees' (or) 'oustees'?
(b) What are the major causes for displacement of Native tribal people. [8+7]
7. Write the following
(a) occupational health hazards
(b) water born diseases
(c) Air born diseases [5+5+5]
8. (a) Explain the effects of pollutants released into the receiving water bodies and atmosphere.
(b) Write about the case study of water pollution that you have visited a place. [8+7]

**I B.Tech I Semester Supplementary Examinations, Aug. 2015
ENVIRONMENTAL STUDIES**

**(Common to Mechanical Engineering, Electronics & Communication
Engineering, Chemical Engineering, Information Technology, Electronics &
Computer Engineering, Mining and Petroleum Technology)**

Time: 3 hours

Max Marks: 75

**Answer any FIVE Questions
All Questions carry equal marks**

1. Bring out the important contributions made by well noted and reputed personalities in contemporary India? [15]
2. (a) Explain what is the major concern regarding use of atomic power with a case study?
(b) Write short note on hydro power and bio-energy. [7+8]
3. (a) Describe the structure and functions of the ecosystem.
(b) Explain the human influence on nitrogen cycle. [8+7]
4. (a) Explain how the study of biodiversity is beneficial to human life.
(b) Explain about consumptive value of biodiversity. [8+7]
5. (a) How can stagnant solid waste affect human beings?
(b) How solid waste damages aesthetic environment? [8+7]
6. (a) What are the powers provided to the central Government by the Environmental Protection Act, 1986?
(b) Write short note on environmental victims and their rehabilitation? [8+7]
7. Write briefly about the following
(a) Sarwa siksha Abhiyan
(b) Balika samvridhi yojana
(c) Integrated child development services [5+5+5]
8. (a) How would conduct a survey of solid waste pollution in a town?
(b) What is Green Belt and explain the importance of the green belt. [8+7]

I B.Tech I Semester Supplementary Examinations, Aug. 2015
ENVIRONMENTAL STUDIES

(Common to Mechanical Engineering, Electronics & Communication
Engineering, Chemical Engineering, Information Technology, Electronics &
Computer Engineering, Mining and Petroleum Technology)

Time: 3 hours

Max Marks: 75

Answer any FIVE Questions
All Questions carry equal marks

1. Describe how different landscapes of the natural environment are degrading by the advancement of science and technology with a case study [15]
2. (a) Define what is forest community? Explain the direct and indirect benefits from forests?
(b) Write note on the economic basis of timber extraction and JFM programmes with a case study. [8+7]
3. (a) What is the importance of forests in ecological balance
(b) All matter of production in ecosystem is subject matter of productivity in ecosystem? Discuss. [8+7]
4. Write a detailed note on:
(a) Hotspots of biodiversity.
(b) Endemic and endangered species [8+7]
5. (a) Write short note on high volume air sampler?
(b) Discuss the role played by vegetation in controlling air pollution? [8+7]
6. (a) What is a watershed? How can watershed management solve the problem of depletion of the ground water table?
(b) Describe the effects of waste product and over-exploitation of natural resources as a result of consumerism culture? [8+7]
7. (a) Write the Aims and objective of 'family welfare programmes'
(b) Enumerate different programmes which have been formulated for women and child welfare. [7+8]
8. (a) How does the class room study varied from the field study explain out of your experiences?
(b) Field study is the most effective teaching method explain how and gives your suggestions. [8+7]

WWW.MANARESULTS.CO.IN