

Code No: 54004

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B.Tech II Year II Semester Examinations, December-2014/January-2015

ENVIRONMENTAL STUDIES

(Common to CE, CSE, EIE, BME, IT, MCT, MMT, BT, AME, PTE, CEE)

Time: 3 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) How would environmental awareness help to protect our environment?
b) What is the scope of environmental education?
- 2.a) What are the most important health and environmental consequences of our use of fossil fuels?
b) Enumerate the various drawbacks that limit the exploitation of solar energy as an important energy resource.
- 3.a) What are the food chains and food webs? Give examples and discuss their significance.
b) What are the biogeochemical cycles? Explain with the help of a diagram the nitrogen cycle.
- 4.a) Discuss the status of India as a mega diverse nation of biodiversity.
b) What are the objectives of identifying biodiversity hotspots?
- 5.a) What is the difference between natural disaster and manmade disaster? Explain disaster management plan for earth quake.
b) What are the sources and control measures of water pollution?
- 6.a) What is Green house effect? Which gases are causing Green house effect? How this effect can be reduced?
b) Describe the effect of pollution on animals and plants.
- 7.a) What are women and child welfare schemes in India? Explain briefly.
b) Discuss the environmental problems encountered in our daily life due to population explosion.
- 8.a) What are environmental related diseases? Explain the various steps to be taken to control them.
b) Explain the variation of population growth among nations.

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