

Code No: 54004

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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