



COLLEGE OF ENGINEERING, PUNE

(An Autonomous Institute of Government of Maharashtra)

Applied Science Department

END SEMESTER EXAMINATION (2013-14) AUTUMN SEMESTER (M.TECH. II - ENVIRONMENTAL AWARENESS)

Day & Date:

Duration: 03 hrs

Maximum marks: 60

- Instructions: a) All questions are compulsory and carry equal marks
b) Enrich your answers with figures, examples and logical explanation

Q. 1 Answer any five from the following .. 10

1. Write an account on GEOSPHERE.
2. Explain the phenomena of El NINO and LA NINA.
3. What are unseen natural resources in a product? Explain with an example.
4. Write the thumb rules governing the distribution of BIODIVERSITY.
5. Discuss any significant decision by SUPREME COURT on environment related case
6. What is meant by environmental ETHICS? Add suitable examples to your answer.
7. Elaborate on BHOPAL GAS TRAGEDY.

Q.2 What will happen if .. (Any five) 10

1. Economic development model continues..
2. Watershed development activities become successful..
3. ISO certification for environment becomes mandatory..
4. Monoculture is allowed in the afforestation program..
5. All vehicles are converted into CNG operated..
6. Biomedical wastes are mixed with the domestic waste..
7. EIA procedures become more stringent..

Q.3 Justify any five statements.. **10**

1. Population explosion is the root cause of all environmental challenges
2. Ozone is an evil in stratosphere and devil in troposphere.
3. Top level carnivores are always less in number in natural ecosystem.
4. Ground water pollution is very serious kind of pollution.
5. Fires are significantly affecting the biodiversity.
6. International conventions provide guiding principles for national legal framework.
7. Engineers can play significant role in environmental management.

Q.4 Write a reason for .. (Any five) **10**

1. Introducing a course on ENVIRONMENTAL AWARENESS at college
2. Natural resources are to be conserved on priority basis
3. In an ecosystem, single food chain cannot exist
4. Noise pollution is known as silent killer
5. Introduced species are the major threats to local biodiversity
6. Delay in arrival of migratory birds
7. Man-animal conflict

Q.5 Mention the full form/meaning and functioning of any five terms .. **10**

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|----------------|------------------|------------|---------------|
| 1. Stratopause | 2. Agenda 21 | 3. GHG | 4. Succession |
| 5. Ecotone | 6. PFI Act, 1991 | 7. Ecomark | |

Q.6 Differentiate between the following .. (Any five) **10**

1. Natural threats and Anthropogenic challenges to the environment
2. Productive land and Wasteland
3. Temperate forest and Tropical forests
4. National Park and Wildlife Sanctuary
5. Direct and Indirect uses of Biodiversity
6. Indian Forest Act and Forest (Conservation) Act
7. Traditional wisdom and Advanced technologies
