

Reappear Examination (May 2019)
B.Tech 2nd Semester
Environmental Science
Subject code: HAS-107, Scheme-2010

Time : 3 Hrs

Max Marks : 60

Instructions :

1. It is compulsory to answer all the questions of Section -A in short. (2 marks each)
2. Answer any four questions from Section B in detail.
3. Different sub - parts of a question are to be attempted adjacent to each other.

SECTION - A

1. (a) Differentiate between renewable and non renewable energy resources with examples. (2)
- (b) What are endemic and endangered species? Give two examples of each. (2)
- (c) Define Biodiversity .Discuss the three levels of biodiversity. (2)
- (d) Why there is a need to study environmental issues? (2)
- (e) Explain primary and secondary air pollutants with examples. (2)
- (f) How population and urbanisation affects our environment ? (2)
- (g) Which gases are responsible for formation of acid rain and how? (2)
- (h) Give the sources and effects of noise pollution. (2)
- (i) Enlist the biotic and abiotic components of an ecosystem with the help of a flow chart . (2)
- (j) Define the term " Biomagnification". Explain with an example. (2)

SECTION - B

- Q2. What is global warming ? Name the main greenhouse gases? Explain how greenhouse gases contribute to global warming? (10)
- Q3. Explain the multidisciplinary nature of environmental studies? How mathematics and engineering are important for environmental studies? (10)
- Q4. What are the different sources, causes, effects and control measures of air pollution? (10)
- Q5. Enlist the consumptive, productive, social, ethical and ecosystem values of biodiversity. Explain the insitu and exsitu measures for conservation of biodiversity. (10)
- Q6. Explain the age -structural pyramids of population. How these age structural pyramids help in predicting population trends of a nation? (10)
- Q7. What are the main causes and effects of deforestation? Give the appropriate measures to control deforestation? (10)