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Question Paper Code: 52008

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Second Semester

Civil Engineering

15UCY207 - ENVIRONMENTAL SCIENCE

(Common to ALL branches)

(Regulation 2015)

Duration: 1.15 hrs

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. Ecosystem is smallest unit of CO1- R
(a) Ionosphere (b) Lithosphere
(c) Biosphere (d) Mesosphere
2. Genetic variation between distinct population of the same species is known as CO1- U
(a) Species (b) Ecosystem diversity (c) Genetic diversity (d) Food web diversity
3. Bhopal gas tragedy was due to leakage of CO2- U
(a) MIC (b) DDT (c) C₆H₆ (d) Dioxins
4. High level radioactive waste can be managed by CO2- U
(a) Composting (b) Store indefinitely (c) Incineration (d) Neutralization
5. Ozone layer in the upper atmosphere is destroyed by: CO3-R
(a) HCl (b) Smog (c) Chlorofluorocarbons (d) SO₂
6. Identify the non-renewable source of energy from the following CO3- R
(a) Solar (b) Wind (c) Tidal (d) Coal
7. Which of the following NGO is associated with "Chipko Movement"? CO4- R
(a) Kalpavriksh (b) Srishti
(c) Dasholi Gram Swarajyamandal (d) Green Peace

8. First of the major environmental act protection act to be promulgated in India CO4- R was
 (a) The water act (b) The air act (c) The environment act (d) Noise pollution act
9. Study of trends in human population growth and prediction of future CO5-R growth is called
 (a) Demograph (b) Biography (c) Kalography (d) Psychology
10. Declaration of human rights by the United nation was established in CO5- R
 (a) 1948 (b) 1950 (c) 1955 (d) 1946

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. What is an ecosystem? Explain the structure and functions of each CO1- U (8) components in an ecosystem with example..
12. Briefly describe about the causes, effects and control measures of CO2- U (8) municipal solid waste.
13. Explain in detail about hydrological cycle CO3- U (8)
14. Write short notes about Ozone layer depletion. CO4- U (8)
15. What are the objectives and elements of value education? CO5- U (8)
 How can it be achieved?

