

Reg. No:

--	--	--	--	--	--	--	--	--	--

**Question Paper Code: 52007**

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

Second Semester

Civil Engineering

15UCY207 - ENVIRONMENTAL SCIENCE

(Common to ALL branches)

(Regulation 2015)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

**(Answer any six of the Following Questions)**

1. The establishment of one or more species on a bare area is called as CO1 -R  
(a) Competition      (b) Nudation      (c) Migration      (d) Invasion
2. Ecosystem is smallest unit of CO1- R  
(a) Ionosphere      (b) Lithosphere      (c) Biosphere      (d) Mesosphere
3. Bhopal gas tragedy was due to leakage of CO2- R  
(a) MIC      (b) DDT      (c) C<sub>6</sub>H<sub>6</sub>      (d) Dioxins
4. High level radioactive waste can be managed by CO2- R  
(a) Composting      (b) Store indefinitely      (c) Incineration      (d) Neutralization
5. Number of neutrons released in a single fission of  ${}_{92}\text{U}^{235}$  by a fast moving neutron is CO3- R  
(a) 3      (b) 4      (c) 2      (d) 1
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. Most important ozone depleting agent is CO4 -R  
 (a) CFC (b) N<sub>2</sub>O (c) CH<sub>4</sub> (d) Pb
9. HIV pass from infected person to others by CO5 -R  
 (a) Saliva (b) Contaminated blood  
 (c) Contaminated needles and syringes (d) All of these
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 component in an ecosystem with example. CO1-U (8)
12. Elaborately discuss the steps involved in solid waste management. CO2- U (8)
13. Write short notes on tidal energy. CO3- U (8)
14. Write an elaborate note on the salient features of "The Environmental Protection Act-1986. CO4- U (8)
15. Discuss women and child welfare programs practiced in India. CO5- U (8)