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Question Paper Code: 42004

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

Second Semester

Civil Engineering

14UCY204 – ENVIRONMENTAL SCIENCE AND ENGINEERING

(Common to ALL branches)

(Regulation 2014)

Duration: 1:15hrs

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

- Environment studies is a _____ science.
(a) biological (b) multi disciplinary
(c) Chemical (d) physical
- An example of carnivore is
(a) tiger (b) grass (c) crow (d) deer
- Itai-Itai disease is due to presence of _____ in water.
(a) Hg (b) Cd (c) Nitrate (d) Oxygen
- Unit of Noise is
(a) Hendry (b) joule (c) decibel (d) Celsius
- Overgrazing results in _____.
(a) productive soils (b) soil erosion
(c) retention of useful species (d) All the above

6. Which of the following is a renewable resource
(a) Soil (b) Water (c) Flora and fauna (d) none of these
7. The primary cause of acid rain around the world is
(a) Ozone (b) Carbon monoxide
(c) Carbon dioxide (d) Sulphur dioxide
8. The major environmental protocols of 20th century
(a) Kyoto protocol (b) Montreal protocol
(c) both a & b (d) none of these
9. Declaration of human rights on the environment was drafted by United Nations at
(a) Stockholm (b) Geneva (c) Rio-de Jenerio (d) Johannesburg
10. ENVIS generates database on
(a) Coastal ecology (b) Biodiversity
(c) Occupational health (d) All of these

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Explain the structural component of forest ecosystem. (8)
12. Discuss the effects of noise pollution. Explain various measures to control noise pollution. (8)
13. Discuss the role of an individual in the conservation of natural resources. (8)
14. Write short notes on Forest Conservation Act. (8)
15. Explain the family welfare and family planning programme in India. (8)