Reg. No. :

Question Paper Code: 31025

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2017

Second Semester

Civil Engineering

01UCY204- ENVIRONMENTAL SCIENCE

(Common to ALL branches)

(Regulation 2013)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions.

PART A - (10 x 2 = 20 Marks)

1. What are the different types of eco-systems?

2. Define the terms of habitat loss.

3. Define photochemical smog.

4. What is disaster management?

5. What is genetic and species biodiversity?

6. Define overgrazing.

7. What is meant by sustainable development?

8. Mention the objectives of public awareness.

9. What is meant by Value Education?

10. Mention the goals and functions of value education center.

PART - B (5 x 16 = 80 Marks)

11. (a) (i) What do you mean by Ecological Pyramid? Explain in detail.   (8)

    (ii) Explain Grass land Ecosystem in detail.   (8)

Or

(b) Explain in detail about bio-diversity in global, national and local level.   (16)

12. (a) (i) What do you mean by air pollution? Enumerate the sources and effects of Air pollution.   (8)

  (ii) What is Thermal pollution? Explain its effect.   (8)

Or

(b) (i) (i) Explain the major water pollutants and their effects.   (8)

  (ii) How are solid wastes classified? Describe briefly the various methods of solid waste management and disposal.   (8)

13. (a) (i) What is deforestation? Explain its causes.   (8)

  (ii) Enumerate the environmental effects of extracting and using mineral resources.   (8)

Or

(b) (i) Discuss briefly the consequences of overdrawing and exploitation of ground water.   (8)

  (ii) Explain the environmental impacts of mining.   (8)

14. (a) Explain in detail about

  (i) Wild life protection.   (8)

  (ii) Forest conservation act..   (8)

Or

(b) (i) Write short notes on Environmental Protection act.   (8)

  (ii) What do you meant by Global warming? Explain its effects.   (8)

15. (a) (i) What is population explosion? Explain the causes and effects of pollution.   (8)

  (ii) Write a note on Human Rights.   (8)

Or

(b) Explain in detail about the role of information technology in environment and human health.   (16)

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