

Reg.No. _____



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : **14CH1003**
Sub. Name : **ENVIRONMENTAL STUDIES**

Semester : **2016-17 ODD**
Duration : **3hrs**
Max. marks : **100**

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

| Q. No. | Sub Div. | Questions | Course Outcome | Marks |
|--------|----------|--|----------------|-------|
| 1. | a. | Describe benefits and problems associated with dams. | CO1 | 10 |
| | b. | What is soil erosion? What are the causes of soil erosion and the methods of preventing it? | CO2 | 10 |
| | c. | | | |
| | d. | | | |
| | e. | | | |
| (OR) | | | | |
| 2. | a. | Explain the direct and indirect ecological uses of forest. | CO2 | 10 |
| | b. | Write short notes on: a) Water logging (3) b) Ground subsidence (3) c) Intrusion of salt water (4). | CO1 | 10 |
| | c. | | | |
| | d. | | | |
| | e. | | | |
| 3. | a. | Discuss the classification of biotic components with examples | CO2 | 10 |
| | b. | What is food chain? Explain the types of food chains with examples. | CO2 | 08 |
| | c. | Define the term Biomagnification. | CO1 | 02 |
| | d. | | | |
| | e. | | | |
| (OR) | | | | |
| 4. | a. | What is ecological succession? Give its process in detail. | CO1 | 10 |
| | b. | Give an account on Conservation of biodiversity with advantages and disadvantages. | CO2 | 10 |
| | c. | | | |
| | d. | | | |
| | e. | | | |
| 5. | a. | What are the different types of air pollutants? Give its effects and sources | CO2 | 10 |
| | b. | Explain the different types of water pollutants with examples. | CO2 | 08 |
| | c. | What is dB? | CO1 | 02 |
| | d. | | | |
| | e. | | | |
| (OR) | | | | |
| 6. | a. | Explain the following methods with diagram. A) Cyclone separator. B) Electrostatic precipitator. | CO2 | 10 |
| | b. | What is solid waste? In what way the 5R's techniques are best than traditional solid waste disposal methods? | CO2 | 10 |
| | c. | | | |
| | d. | | | |
| | e. | | | |
| 7. | a. | What is Ozone hole? What are the causes and effects of ozone layer depletion. | CO1 | 10 |

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|-------------|----|--|-----|-----------|
| | b. | Discuss briefly the salient features on Wildlife conservation act. | CO1 | 05 |
| | c. | Give the effects of Global warming. | CO2 | 05 |
| | d. | | | |
| | e. | | | |
| (OR) | | | | |
| 8. | a. | Define green chemistry. How will the green chemistry principles to reduce hazardous chemicals. | CO2 | 10 |
| | b. | What is sustainable development? Give its measures and problems of sustainable. | CO1 | 10 |
| | c. | | | |
| | d. | | | |
| | e. | | | |
| | | <u>Compulsory:</u> | | |
| 9. | a. | What is Population explosion? Explain the causes and effects of population Growth? | CO1 | 10 |
| | b. | Give a detailed account of methods used in water conservation. | CO2 | 10 |
| | c. | | | |
| | d. | | | |
| | e. | | | |

ALL THE BEST