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**SARDAR PATEL UNIVERSITY**  
**BSc. (I Semester) (CBCS) Examination**  
**Friday, 22<sup>nd</sup> April, 2016**  
**2.30 – 4.30 pm**  
**US01EENV04 Environmental Science**

**Total Marks: 70**

**Q. 1 MULTIPLE CHOICE QUESTIONS.**

10

- (1) Which of the following is a green house gas.  
(a) Oxygen (b) CFC (c) Hydrogen (d) Nitrogen
- (2) The outer crust layers are also known as .....  
(a) SIMA (b) NIFE (c) SIAL (d) SINI
- (3) Troposphere contains .....% of air .  
(a) 25 (b) 65 (c) 75 (d) 95
- (4) Which one of the following is an autotrophic component ?  
(a) Producer (b) Consumers (c) Decomposer (d) All of these
- (5) Tiger is an example of:  
(a) Producer (b) Herbivores (c) Primary consumer (d) Tertiary consumer
- (6) Forest is a .....natural resource.  
(a) Biotic (b) Abiotic (c) Potential (d) Cyclic
- (7) Removal of surface soil due to rain is known as.....  
(a) Soil convention (b) Soil erosion (c) Soil conversion (d) Soil reformation
- (8) .....is a renewable resource.  
(a) Coal (b) Oil (c) Water (d) Petrol
- (9) Relation between sea anemone and crab is known as :  
(a) Commensalism (b) Mutualism (c) Parasitism (d) Antibiosis
- (10) Which one of the following is an insectivorous plant ?  
(a) Monotropa (b) Drosera (c) Viscum (d) Santalum

(P.T.O.)

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**Q.2 SHORT ANSWER QUESTIONS (ATTEMPT ANY TEN) .**

20

- (1) Importance of Hydrosphere.
- (2) Define : Biosphere.
- (3) Write the significance of Environmental studies.
- (4) Define : Ecosystem.
- (5) Mention the characteristics of desert ecosystem.
- (6) What is the function of decomposers ?
- (7) Enlist only four types of forest in Gujarat.
- (8) Define : Conservation.
- (9) Write the advantages of dam.
- (10) What is negative interaction ?
- (11) Give an example of antibiosis.
- (12) Define : symbiosis, give an example.

- Q. 3 (i) Describe the structure of Atmosphere 05  
(ii) Write short note on Green house gasses. 05

**OR**

**Q. 3 ANSWER THE FOLLOWING**

- (i) Discuss Nitrogen cycle 05
- (ii) Discuss structure of Lithosphere. 05

- Q. 4 Describe the structure of forest Ecosystem. 10

**OR**

- Q. 4 (i) Explain the ecological pyramid of number. 05  
(ii) Explain energy flow in Ecosystem . 05

**Q. 5 WRITE SHORT NOTES ON :**

- (i) Uses of forest to human society. 05
- (ii) Uses and conservation of Land resources 05

**OR**

- Q. 5 (i) What are the methods of conservation of water resources ? 05  
(ii) Write the major causes of deforestation. 05

**Q.6 WRITE SHORT NOTES ON :**

- (i) Mutualism. 05
- (ii) Parasitism . 05

**OR**

**Q. 6 WRITE SHORT NOTES ON :**

- (i) Commensalism . 07
- (ii) Mycorrhizae. 03

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