

Seat No.: _____

No. of Printed Pages : 2

[13 of A-18]

(Eng.)

SARDAR PATEL UNIVERSITY

B.Sc. EXAMINATION SEMESTER I CODE : US01EENV04

SUBJECT : ENVIRONMENTAL SCIENCE

DATE : 23/11/2016 WEDNESDAY TIME 10.00 TO 12.00 TOTAL MARKS : 70

Q. 1 Multiple Choice questions .

10

1. Ozone layer is present in :
(a) Troposphere (b) Stratosphere (c) Mesosphere (d) Ionosphere
2. The outer crust layers are also known as :
(a) SIMA (b) SIAL (c) NIFE (d) SINI
3. Decomposers are also known as :
(a) Carnivores (b) Herbivores (c) Detrivores (d) Producers
4. Members of autotrophic components are also known as :
(a) Producers (b) Consumers (c) Decomposers (d) All of above
5. Tiger is an example of :
(a) Producer (b) Primary consumer (c) Secondary consumer
(d) Tertiary consumer
6. Forest is anatural resource .
(a) Biotic (b) Abiotic (c) Both (d) Cyclic
7. Removal of surface soil due to rain is known as :
(a) Soil convention (b) Soil erosion (c) Soil conversion (d) None of these
8.is a renewable resource.
(a) Coal (b) Oil (c) Water (d) Petrol
9. Lichen is a association of :
(a) Alga &Fungus (b) Fungus & Moss (c) Alga & Moss (d) Alga & Riccia
10. Which one of the following is an insectivorous plant ?
(a) Monotropa sp. (b) Viscum sp. (c) Santalum sp. (d) Drosera sp.

Q. 2 Answer in brief (Any ten).

20

- 1 Write the significance of Environmental studies.
- 2 Enlist the green house gases.
- 3 Write the importance of Biosphere.
- 4 What is the function of decomposers ?
- 5 Mention the characteristics of desert ecosystem.
- 6 Enlist the function of an Ecosystem.
- 7 Enlist the types of Forests in Gujarat .
- 8 Write the effects of deforestation .
- 9 What are the benefits of Dam ?
- 10 Define : Symbiosis giving suitable example .
- 11 What is antibiosis ?
- 12 Differentiate : Total parasites and Partial parasites.

Q. 3 (A) Describe the components of Atmosphere. 06
(B) Explain Carbon cycle in brief. 04

OR

Q. 3 (A) Describe Nitrogen cycle. 06
(B) What is Lithosphere ? Write its importance. 04

Q. 4 Describe the structure of Forest ecosystem. 10

OR

Q. 4 (A) Explain the ecological pyramid of number. 05
(B) Explain Energy flow in a Ecosystem. 05

Q. 5 (A) What are the causes of deforestation ? 05
(B) Uses and conservation of Land resources . 05

OR

Q. 5 (A) What are the methods of conservation of Water resources ? 05
(B) Give a gross account of Species composition in Gujarat . 05

Q. 6 (A) Write a short note on Mutualism 05
(B) Write a short note on Parasitism 05

OR

Q. 6 (A) Write a short note on Commensalism 05
(B) Write a note on Mycorrhizae 05

.....