

Seat No. \_\_\_\_\_

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SARDAR PATEL UNIVERSITY

B.Sc. I<sup>st</sup> SEMESTER EXAM

US01SENV51 Environmental Studies-1



Date- 15/02/2022, Tuesday

Time-3.00-5.00 p.m.

Marks- 50

Q-1 Multiple Choice Questions.

(08)

- (1) Place occupied by an organism in relation to environment is \_\_\_\_\_.  
(a) habitat                      (b) habit                      (c) edaphic                      (d) all of the above
- (2) Environment includes \_\_\_\_\_ component.  
(a) abiotic                      (b) biotic                      (c) oxygen & nitrogen                      (d) abiotic and biotic
- (3) The final stable community in an ecological succession is called \_\_\_\_\_.  
(a) Climax                      (b) final                      (c) ultimate                      (d) seral
- (4) The phosphorous cycle is unusual in that it is entirely \_\_\_\_\_.  
(a) Within the aquatic ecosystem                      (b) within the terrestrial  
(c) sedimentary                      (d) gaseous
- (5) Which one is the intensity level of Noise?  
(a) Decibel                      (b) Pascal                      (c) Watt                      (d) Newton
- (6) Ozone layer depletion is mainly due to \_\_\_\_\_.  
(a) CFCs                      (b) SO<sub>2</sub>                      (c) CO                      (d) none
- (7) Rise in sea-level is due to \_\_\_\_\_.  
(a) Smog                      (b) Acid-rain                      (c) Ozone-depletion                      (d) Global-warming
- (8) What is the cause of "Green House Effect"?  
(a) Nitrogen                      (b) Carbon dioxide                      (c) Carbon monoxide                      (d) Nitrogen dioxide

(06)

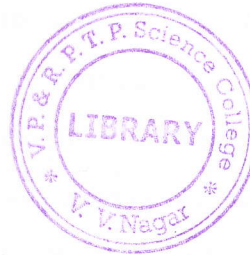
**Q-2 Fill in the blanks.**

- (1) Nitrification is a part of \_\_\_\_\_ following cycle. (Oxygen cycle /Nitrogen cycle)
- (2) The driving force of the ecosystem is \_\_\_\_\_. (Solar energy/ biomass)
- (3) The pioneering community in a xerosere are \_\_\_\_\_. (Crustose lichen/shrubs)
- (4) Airpollutants which reduce oxygen carrying capacity of hemoglobin is \_\_\_\_\_.  
(Carbon monoxide/ammonia)
- (5) Tremors that have occurred in Earth's crust are known as \_\_\_\_\_. (Earth-quakes/volcanic eruptions)
- (6) Type of radiations absorbed by greenhouse gases are \_\_\_\_\_. (UVradiations/ Infra-red radiations)

(12)

**Q-3 Attempt any six short answer questions.**

- (1) Define: Producers.
- (2) What is the function of an ecosystem?
- (3) Name only stages of plant succession.
- (4) Name different types of pollution.
- (5) What is a land-slide?
- (6) Define- Acid-rain.
- (7) Name only National organization.
- (8) What is consumer?



(24)

**Q-4 Attempt any four long answer questions.**

- (1) Explain: Pyramids of numbers and pyramids of energy.
- (2) Describe: Phosphorus –cycle.
- (3) Write about: Xerosere.
- (4) What is Solid Waste? Write a note on it.
- (5) Describe: Water- pollution.
- (6) What are the impacts of earth-quake? Write note.

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