

23

SEAT No. _____

No. of Printed Pages : 02

SARDAR PATEL UNIVERSITY
VALLABH VIDYANAGAR
B. Sc. FOURTH SEMESTER
Environmental Science
US04CENV02 Environmental Pollution, Wildlife and Biodiversity
Monday, 8th April, 2019
10.00 AM to 01:00 PM

Total Marks: 70

Q.1. Write the correct answer in the answer sheet

(10)

1. _____ is an example of natural source of air pollution.
(a) Volcanic Eruption (b) Industries (c) Automobiles (d) All above
2. _____ gas has reddish brown color.
(a) CO (b) NO₂ (c) CO₂ (d) NO
3. The water bearing layers of soil and rocks are called _____.
(a) Watershed (b) Aquifers (c) Dam (d) River
4. _____ is the physical parameter of water pollution
(a) BOD (b) Bacteria (c) Turbidity (d) Sulphate
5. The term biodiversity was coined in _____.
(a) 1985 (b) 1987 (c) 1989 (d) 1984
6. _____ zone is the outer most part of biosphere reserve.
(a) Core (b) Buffer (c) Transition (d) None
7. IUCN, in 2012 has recognized _____ red list categories of species.
(a) 7 (b) 8 (c) 11 (d) 9
8. _____ settlement has closely build up area
(a) Dispersed (b) Hemleted (c) Semi-Compact (d) Compact
9. In Shelterbelts, lambing percentage increases by _____ %
(a) 10 (b) 30 (c) 50 (d) 70
10. In Agro-silvicultural, the gum trees continue for _____ years before cultivation of crops
(a) 10-15 (b) 20-30 (c) 35-40 (d) 45-60

1

(P.T.O.)

Q.2. Answer the following questions in brief (Any 10)

1. Define Air Pollution.
2. Discuss effects of particulate matter on plants.
3. Explain the formation of Carboxyhaemoglobin.
4. Give a brief account of water resources on Earth.
5. Discuss groundwater pollution.
6. Write a brief note on Agricultural Waste as a type of water pollution
7. Define Biodiversity.
8. Discuss in brief Ecosystem diversity.
9. Enlist various in-situ conservation measures.
10. What are the specific goals to prevent land degradation?
11. Write a brief note on rectangular pattern of human settlement
12. Discuss factors influencing population growth.

Q.3 (a) Discuss SO_x as an air pollutant.

(06)

(b) Describe Hydrocarbons as air pollutant.

(04)

OR

Q.3 (a) Write note on sources of air pollution.

(05)

(b) Explain the formation of Photochemical smog.

(05)

Q.4 (a) Explain Eutrophication

(05)

(b) Describe the sources of water pollution

(05)

OR

Q.4 (a) Write note on sources of Surface water pollution

(05)

(b) Discuss water pollution management and control

(05)

Q.5 Write detailed note on threats to biodiversity.

(10)

OR

Q.5 (a) Explain National parks in details.

(06)

(b) Discuss characters of Invasive Alien Species with impact on biodiversity

(04)

Q.6 (a) Describe different methods used in Land restoration

(06)

(b) Explain in brief Environmental laws related to air

(04)

OR

Q.6 (a) Explain the guiding principles of Environmental Education

(06)

(b) Write note on: Indian Population

(04)

← X →
(2)