

Pune Vidyarthi Griha's
College of Science and Technology
S.Y.B.M.S SEM-III

Foundation Course in ENVIRONMENTAL MANAGEMENT

[Time: 2.30 Hours]

October 2023

Date:26/10/23

[Marks 75]

Q.P.Code - UBMSFSIII.4

Q.1 A) Multiple Choice Question (8 marks)

1. ISA stands for
A.Indian Solar Alliance
B.Information System Alliance
C.Invigilation System Association
D International Solar Alliance
2. _____ is an organism that does not truly hibernate but is perceived thus as it is in a state of deep sleep.
A.Bat
B.Bear
C.Monkey
D.Dart Frog
3. _____ are found in Central and South America, have brilliant colors and come have really strong poison.
A.Bat
B.Dolphins
C.Rattlesnake
D.Dart Frog
4. _____ give birth to live young instead of eggs.
A.Duck
B. Pelicans
C.Rattlesnake
D.Frog
5. _____ try to attract females by doing a type of play fighting.
A.Duck
B. Pelicans
C.Snake
D.Frog
6. Zoological Survey of India was established for advancement in various level of _____ Taxonomy.
A.animal
B.plant
C.insect
D.zooplankton
7. Amur Falcons are longest traveling raptors going from _____ to South Africa.
A.China
B.Russia
C.North Africa
D.Mongolia
8. Jaws of _____ animal is not fused together like it is in humans allowing them to swallow prey bigger than their head.
A.Crocodile
B. Pelicans
C.Snake
D.Frog

B).Statement whether the following statement are True or False (7marks)

- 1) Nirmal dhara is a part of Namami Yamuna Program.
- 2) The State of Forest report has been published by the forest survey of India (FSI) on a biennial basis since 1987.
- 3) Madhya Pradesh has the highest forest cover followed by Arunachal Pradesh and Chattisgarh.
- 4) According to FAO India is amongst the top 10 countries in terms of forest cover.
- 5) MoEF made it compulsory to use fly ash in all construction within 100 km radius of a thermal power plant.
- 6) ISA is launched at Cop21(Paris) 131 countries for countries lying partially or fully between the tropics.
- 7) REN 21 is a global renewable energy policy multi-stake network.

Q2 What are ecological pyramids and its types? (15 marks)

OR

- A) Explain types of biotic interaction (8 marks)
- B) Explain aquatic ecosystems and its types (7marks)

Q3 A) Explain types of terrestrial ecosystems. (8 marks)
B) Explain types of Renewable energy. (7marks)

OR

Explain nutrient cycling and its types in detail (15 marks)

Q4 A) Explain deforestation its causes and its effects (8 marks)
B) Explain different levels of ecological organization which include individuals population...etc. (7marks)

OR

- A) Explain Lindman's rule of energy transfer, concepts related to toxins -bioaccumulation and biomagnification (8 marks)
- B) Classification of environmental pollution (7marks)

Q5 Short notes with diagrams:- (any three) (15 marks)

1. Eutrophication
2. Ecological organization.
3. Causes of deforestation
4. Ecotone