

Roll No.

Total Pages : 2

GSQ/D-21
ZOOLOGY
(Environmental Biology)
Paper-I

1078

Time : Three Hours]

[Maximum Marks : 40

Note : Attempt *five* questions in all, selecting *two* questions from each Section A and B. Question No. 1 is compulsory.

Compulsory Question

1. (a) Differentiate between autecology and synecology.
(b) What is humification?
(c) Name major types of biomes.
(d) What are trophic levels?
(e) What are biogeochemical cycles?
(f) What is biotic potential?
(g) Define cryopreservation.
(h) Name two fishes which have brood pouch in males.
(i) Give two examples of symbiosis.
(j) What is Biomagnification? (10×1.5=15)

SECTION-A

2. Discuss the effects of temperature on animals in their environment. 6.25

3. Write notes on the following :
 - (a) Grassland Biomass. 3.0
 - (b) Desert Biomass. 3.25

4. Discuss in detail about the ecological pyramids. 6.25

5. How does nitrogen circulation occurs in Biosphere? Explain it. 6.25

SECTION-B

6. Explain the methods of conservation of water. 6.25

 7. Give an account of migration in fishes. 6.25

 8. Discuss the phenomenon of mutualism by giving suitable examples. 6.25

 9. Describe the methods of control of soil and landscape pollution. 6.25
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