

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BPF-2190

M.Sc. (Final) Examination, 2022

ZOOLOGY

Paper - VII(b)

(Environmental Biology)

Time : 3 Hours]

[Maximum Marks : 75

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 5 × 5 = 25)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **5** marks.

Section-C

(Marks : 10 × 3 = 30)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section-A

1. (i) Define the term Atmosphere.
- (ii) What do you mean by Environment Biology ?
- (iii) What is Hibernation ?

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- (iv) What do you understand by term Homeotherms ?
- (v) Define Ecosystem.
- (vi) Write *two* adaptations of animals in Grassland.
- (vii) Write *two* characteristic features of freshwater aquatic ecosystem.
- (viii) What is Taiga Ecosystem ?
- (ix) Define Biogeographical Region and name the *four* biogeographic zones in India.
- (x) Define Ecological Succession.

Section-B

2. Write a short note on Hydrosphere.

Or

Write a note on Lithosphere.

3. Describe about Aestivation with example.

Or

Explain about Acclimatization with example.

4. Write about abiotic and biotic components of terrestrial ecosystem.

Or

Describe about Himalayan Ecology.

5. Describe about zonation and fauna of Marine Ecosystem.

Or

Write an essay on ecological peculiarities of estuarine ecosystem.

6. Explain the socio-ecological impacts of industrialisation.

Or

Describe about causes and kinds of succession.

Section–C

7. Write an essay on concept and scope of Environmental Biology.
8. Write a detailed account for ecophysiological adaptations with special reference to desert.
9. Explain in detail about terrestrial ecosystem.
10. Write an essay on extent and ecological peculiarities Tundra Biome.
11. Write an essay on man-made ecosystem and their impact on flora and fauna.