B.Sc. Semester-II Examination, 2022-23

FORESTRY [Honours]

Course ID : 23515   Course Code : SH/FST/WL 1201

Course Title : Wildlife Biology

Time : 2 Hours   Full Marks : 50

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

I.   Write a definition or one sentence answer any **ten** of the followings: 1×10=10

1.   What is fossorial adaptation?

2.   What is immigration?

3.   Highest productivity found in which ecosystem?

4.   What is mimicry in animals?

5.   Give example of one mammal with scales.

6.   What is stenotopic animal?

7.   Carrying capacity.

8.   What is a flagship species?

9.   Give example of mutualism.

10. What is gross primary productivity?

11. Why do animals camouflage?

12. What is basking?

13. What is arboreal adaptation?

14. What is chemoautotroph?

15. What is benthos?

II. Write short note/define any **ten** of the followings: 2×10=20

1.   Give example of two endemic Indian mammalian species.

2.   What are the importances of space in wildlife?

3.   Describe homeothermy.

4.   Define threshold level for limiting factors.

5.   Define wildlife census.

6.   What is elephant corridor?

7.   What is ecotourism?

8.   Draw a pyramid of energy in grassland ecosystem.

9.   What is circadian rhythm?

10. Define Cruising Radius.

11. What is Gross Primary Productivity?

12. What is mineral lick?

13. Describe altruism.

14. Draw a diagram showing cyclical oscillations.

15. Draw a food web perspective of pond ecosystem.

III. Write down in brief any **four** of the followings:

5×4=20

1. Describe basic requirements of Wildlife.

2. What are the importances of wildlife census?

3. Describe habitat improvement strategies for wildlife.

4. Explain inverted ecological pyramids with example and diagram.

5. Write short note on desert adaptation of animals with example.

6. Write short note on reasons behind human wildlife conflict.

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