

456/FST

22-23 / 43515

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

FORESTRY [Honours]

Course ID : 43515

Course Code : SH/FST/WL 2202

Course Title : Ornithology & Herpetology

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.

1. Write a definition or one sentence answer any **ten** of the followings: 1×10=10
 - a) What is Archaeopteryx?
 - b) What is pygostyle?
 - c) What is syrinx?
 - d) How many number of air sac present in a pigeon?
 - e) What is Insectivorous Bird?
 - f) What is SACON?
 - g) Define oviparity.
 - h) Give one example of order Upupiformes with scientific name.
 - i) Give one example of order Falconiformes with scientific name.

- j) What is blood parasitism?
 - k) Mention one important nesting site of *Lepidochelys olivacea* in India.
 - l) Give one examples of endangered birds of Indian subcontinent.
 - m) Write down the zoological name of state bird of West Bengal.
 - n) Give one example of a bird sanctuary.
 - o) What is air sac?
2. Write short notes / define any **ten** of the followings: 2×10=20
 - a) Write scientific names of two species of venomous snakes in West Bengal.
 - b) Describe the importance of plumage in birds.
 - c) What is endemic bird? Give example of an Indian endemic bird species.
 - d) Write difference between ratite and carinate birds.
 - e) What is the importance of air sac?
 - f) What is the importance of hyoid apparatus?
 - g) What is the function of crop?
 - h) What is phytoremediation?

[Turn Over]

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(2)

- i) What is crop milk?
- j) Why do birds migrate?
- k) What is birding ethics?
- l) What is carinate birds? Given a example.
- m) What is red data book?
- n) What is Ramsar site?
- o) Write the zoological name of Common crow and king fisher.

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

$$5 \times 4 = 20$$

- a) Write a short note on wetland conservation.
- b) Write about conservation and management of bird in India.
- c) What is Birds? Explain why need to conserve them.
- d) Describe different types of contour feathers.
- e) Justify the theropod as ancestors of Aves.
- f) Describe different mode of migration in birds.
