

U.G. 2nd Semester Examination - 2021

ZOOLOGY

[HONOURS]

Generic Elective (GE)

Course Code : ZOOL-H-GE-T-02

Full Marks : 30

Time : 1½ Hours

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. Answer any **five** questions of the following :

2×5=10

- a) Write down dental formula of adult human being.
- b) What is compensatory regeneration?
- c) Mention functions of integument in mammals.
- d) What is spermatogenesis?
- e) What is ecological pyramids?
- f) Define dominance.
- g) What is Gause's Principle?
- h) Define food web.

2. Answer any **two** questions of the following. 5×2=10

- a) Mention the name and function of cranial nerves in mammals.
- b) Discuss about the extra-embryonic membranes in birds.
- c) Write down the differences between external and internal fertilization.
- d) Discuss about the Wildlife protection Act (1972).
- e) Write down the differences between detritus and grazing food chains.

3. Answer any **one** question of the following.

10×1=10

- a) Discuss about the comparative account of heart and aortic arches in detail.
- b) Write down ecological succession with example. 7+3
- c) Write short notes on : 5+5
 - i) Planes and patterns of cleavage.
 - ii) Wildlife conservation.
