

2021
B.A./B.Sc.
Fifth Semester
DSE – 1
ZOOLOGY
Course Code: ZOD 5.11
(Animal Behaviour & Chronobiology)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. Give a brief account of the following persons related to their contributions towards animal behaviour: Karl Von Frish and Ivan Pavlov. 7×2=14
2. Explain the methods and recording of behaviour of animals. 14

UNIT-II

3. Describe the stereotyped behaviour in different animals with proper examples. 14
4. Discuss the habitual and imprinting with examples. 7×2=14

UNIT-III

5. Describe modes of social communication and their senses with bee as an example. 14
6. (a) Explain male rivalry in choosing their mate. 7
(b) Discuss how sexual conflicts occur in parental care. 7

UNIT-IV

7. Give a detail note on the adaptive significance of biological clocks. 14
8. What is a biological oscillation? Discuss the different phases of the biological oscillation of life. 2+12=14

UNIT-V

9. Explain the different types and characteristics of biological rhythms. 10+4=14
10. Explain the importance of photoperiod that affect the regulation of seasonal reproduction in animals. 14
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