

Roll No.

Total Pages : 3

757302**Jan. 2022****M.Sc. (Zoology) - IIIrd SEMESTER****Animal Behaviour and Applied Zoology (MZO-302)**

Time : 90 Minutes]

[Max. Marks : 25

Instructions :

1. *It is compulsory to answer all the questions (1 mark each) of Part-A in short.*
2. *Answer any three questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART - A

1. (a) Species construct hive on tall plants, building is..... (1)
- (b) Muga silk is produced by..... (1)
- (c) Honey drinks are popularly known as (1)
- (d) Who developed classical conditioning? (1)
- (e) Give importance of lac. (1)
- (f) Give the name of three National Parks of Uttarakhand. (1)

- (g) The stony soil is not suitable for fowls. (True/False) (1)
- (h) Define Altruistic behaviour. (1)
- (i) What is parthenogenesis? (1)
- (j) Define the following terms : Nerve nets and Nerve cords. (1)

PART - B

2. (a) Explain sensory processing in Animals. Classify different sensory receptor cells. (3)
- (b) What is the significance of waggle and round dance in bee communication? (2)
3. (a) How an innate behaviour different from a learned behaviour? (2)
- (b) Discuss Life cycle of Lac insect and Honey bee in detail. (3)
4. (a) Differentiate between classical conditioning and operant conditioning. (2)
- (b) Explain beekeeping and pearl culture as industry? (3)
5. (a) Discuss processing and preservation of eggs? (3)

(b) Write short note on Centralisation, Differentiation and Cephalization? (2)

6. (a) How many types of diseases are present in poultry? Explain all. (2)

(b) Discuss all the measures taken by Government for conservation of wildlife? (3)
