

Roll No.....

Total No. of Units : 04

Total No. of Printed Pages : 03

Code No. : 03/405

Third Semester Examination, Dec. 2018

M.Sc. ZOOLOGY

Paper - IV

ANIMAL BEHAVIOUR

Time : 3 Hrs.

Max. Marks : 80

- Part A and B of each question in each unit consist of very short answer type questions which are to be answered in one or two sentences.
Part C (Short answer type) of each question will be answered in 200-250 words.
- Part D (Long answer type) of each question should be answered within the word limit 400-450.

Unit - I

Q.1 A. Which system is called as the starter of conscious state? (2)

Q.1 B. Which part of limbic system is associated with pleasure? (2)

Q.1 C. Explain reflexes based on natural or learned responses? Write the examples of simple reflex. (4)

OR

Write the role of prosencephalon in controlling behavior.

Q.1 D. Explain the effect of hormonal control on behaviour of pituitary gland. (12)

OR

Write the effects of gonadal hormones on behaviour.

P.T.O.

(2)

Code No. : 03/405

Unit - II

Q.2 A. Which hormone is responsible for aggressive behaviour in animals? (2)

Q.2 B. Define polygenic behaviour. (2)

Q.2 C. Write the various factors of Aggression and how it affects on behaviour. (4)

OR

Explain the major types of feeder's, feeding strategies and feeding patterns with examples.

Q.2 D. Write various genetic components in the development of behaviours. (12)

OR

Explain various environmental and physiological factors influencing behaviour.

Unit - III

Q.3 A. Differentiate between polygyny and polyandry. (2)

Q.3 B. Define Altruistic behaviour. (2)

Q.3 C. Explain social organization in insects. (4)

OR

Write the advantages of Social Grouping.

Q.3 D. Explain in detail the social organization in primates. (12)

(3)

Code No. : 03/405

OR

Explain Courtship and mating in non-human primates.

Unit - IV

Q.4 A. Which type of learning is form of early childhood learning. (2)

Q.4 B. Define pavlovian learning. (2)

Q.4 C. Define Circadian rhythms. Write different types of rhythms with examples. (4)

OR

Write the importance and various factors influencing migration in fishes.

Q.4 D. What is learning? Write the different types of learning with examples and it's significance. (12)

OR

Define conditioning. Explain classical conditioning in detail with suitable examples.

---X---