

Bago University
Department of Zoology
First Semester Examination, March 2019

Third Year BSc
(Zoology Specialization)
Answer ALL questions

Zool.3106
Animal Behaviour
Time Allowed: (3) Hours

State TRUE or FALSE to the following statements.

(10 marks)

1. Feeding is an important functional system.
2. A single ostrich egg contains about 800g of yolk.
3. Psychologists have used food as a reinforcer in a high proportion of experimental studies on learning.
4. Predators invest time and energy in locating, capturing and consuming food items.
5. Small rodents construct tunnels and caverns for themselves and their young to live in.
6. Cockerels, the males of the species, behave similarly when courting females.
7. Different mutations of the per gene shorten or lengthen the daily rhythm.
8. In vertebrates, parental care is poorly developed as compared to invertebrates.
9. Oystercatchers have different sources of food depending upon their location.
10. Many species of birds perfect their calls through hearing other individuals.

I. Complete the following statements with appropriate words.

(10 marks)

1. Members of most animal species have a ----- stage in their life history.
2. Predators are not simply being ----- thirsty, mean or aggressive.
3. Interestingly, young male peacocks do show the scratching and ----- behaviour.
4. Many important behavioural rhythms have ----- periods longer than 24 hours.
5. Courtship fulfills ----- major functions.
6. Territorial defense need not always involve direct -----.
7. Many young animals are virtually helpless shortly after birth, they are said to be -----.
8. Parental care declines as the young grow -----.
9. Each animal species possesses a ----- of different behavior patterns.
10. Social insects exhibit remarkable ----- capacities, where every individual performs its task well.

(10 marks)

II. Answer ALL questions

1. Write short notes on Monophagous animals.
2. Describe the mature adult fish migration.
3. Describe the colour of baby monkeys and baby baboons.
4. Mention the term "associative learning".
5. Differentiate the term polygyny and polyandry.

(20 marks)

IV. Answer ALL questions

1. State briefly on the communication in social groups.
2. Describe the interactions between the "winners" and "losers" of predators and prey.
3. Describe the nature of parental care as found in monkey and apes.
4. Describe the courtship and aggressive displays of the male peacock.

(30 marks)

V. Answer ANY THREE questions

1. List the types of migration and describe only latitudinal migration.
2. Define the term "Courtship" and explain in detail them.
3. Describe the cost of fighting to gain and keep control of a territory of males on Hartebeest and Red deer.
4. State the exercise of mate choice females "limiting resource" of breeding system.
5. Explain about the Darwin's idea of natural selection from evolution of behavior.
6. Explain "the transmission of information by behavioural means" of culture in animals.

////////////////////////////////////