

[131]



SEAT No. _____

No. of Printed Pages: 2

SARDAR PATEL UNIVERSITY,

S.Y.B.Sc. (Fourth Semester Examination)

Saturday, 9 April 2022.

3:00 TO 5:00 P.M.

US04CZOO 21 - (Vertebrata and Animal Behaviour)



Total marks :70

Q-1 CHOOSE CORRECT ANSWER : 10

- 1 The eyes in Scoliodon are protected by :
a. Eyelids b. Cutical c. Immovable nictitating membrane
d. Movable nictitating membrane
- 2 Brain of Scoliodon is enclosed in :
a. Cranium b. Bony Skull c. Muscular cover d. Chondocranium .
- 3 During hibernation or aestivation frog lives upon :
a. Stored glycogen and fat b. Stored glucose and fat c. Stored starch and fat
d. Stored galactose and fat.
- 4 Which of the following is not an intestinal hormone in Frog.
a. Enterogastrone b. Cholecystokinin c. Secretin d. Gastrin.
- 5 Mesorchium of Calotes is :
a. Kidney of adult Lizard. b. Kidney of young Lizard. c. Peritoneal
fold attaching testis d. Bunch of uriniferous tubules.
- 6 Poison apparatus is absent in _____ Snake.
a. Cobra b. Rat snake c. Krait d. Viper .
- 7 Garden Lizard is :
a. Ureotelic b. Uricotelic c. Ammonotelic d. Aminotelic
- 8 Hemipenis is present in :
a. Female Calotes b. Female Girgit c. Male Calotes d. Male
Labeo
- 9 Which of the following is a type of innate behaviour ?
a. Imprinting b. Tropism c. Insight d. None
- 10 Lorenz demonstrated behaviour in brood of Geese :
a. Imprinting b. Habituation c. reasoning d. Tropism

P.T.O.

1

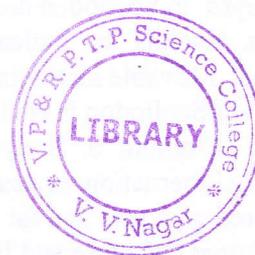
Q-2

08

- 1 Tail in Scoliodon is _____.
- 2 Number of Optic lobes in the brain of Frog are _____.
- 3 _____ act between the individuals of same or different species.
- 4 Calotes belongs to _____ habitate.
- 5 In Sea snake , the tail is Laterally compressed and oar shaped . -TRUE or FALSE ?
- 6 Mouth of Dog-fish is located in dorsal side .- TRUE or FALSE ?
- 7 A pair of vocal sacs are present in male Frog. -TRUE or FALSE ?
- 8 Pavlov's experiment refers to Dog . -TRUE or FALSE ?

Q-3

ANSWER IN SHORT : (ANY TEN)



20

- 1 Describe Mermaid's Purse.
- 2 What is Ampulla of Lorenzini.
- 3 Describe briefly : Placoid Scales.
- 4 What is the peculiarity of tongue of Frog ?
- 5 Write about different types of modes of respiration found in Frog.
- 6 Draw neat and labelled diagram of Calotes.
- 7 Describe in brief about Hemipenis.
- 8 Draw Poison apparatus of Snake.
- 9 Write about cloaca of Frog.
- 10 Write about types of pheromones found in Insects.
- 11 Write about Inhibitory Pheromones .
- 12 Explain trial and error learning in Animals.

Q-4

ATTEMPT ANY FOUR

32

- 1 Describe the respiratory organs of Scoliodon
- 2 Describe the external features of Shark.
- 3 Describe the digestive organs of Rana tigrina.
- 4 Describe the male reproductive system of Frog.
- 5 Describe the digestive system of Calotes.
- 6 Describe the symptoms of Snake bite.
- 7 Describe : Pheromones.
- 8 Describe: Instinct Behaviour.

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2