

[68/A16]

SEAT No. \_\_\_\_\_

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SARDAR PATEL UNIVERSITY

B.Sc. SEMESTER-V, EXAM-2018

ZOOLOGY, US05CZOO02 (COMPARATIVE ANATOMY OF CHORDATES)

DATE: 24-10-2018

TIME: 10 am TO 1pm

DAY: WEDNESDAY

MARKS: 70

Q-1. MULTIPLE CHOICE QUESTIONS.

(10)

1. Uropygial gland is present in  
(a) Amphioxus      (b) Aquatic birds      (c) Frog      (d) Fishes
2. Which of the followings, having hoofs?  
(a) Tiger      (b) Flamingo      (c) Horse      (d) Elephants
3. Which type of feather usually found in Emu & Cassowary?  
(a) Contour      (b) After shaft      (c) Down      (d) None of these
4. Which gland is modified as a poison gland in Poisonous Snakes?  
(a) Labial gland      (b) Sublingual gland      (c) Submaxillary gland      (d) Parotid gland
5. Thecodont type of dentition is found in  
(a) Some fishes      (b) Crocodilians      (c) Mammals      (d) All of these
6. The esophagus is lined with horny papillae in  
(a) Amphioxus      (b) Amphibians      (c) Birds      (d) Reptiles
7. Which of the followings, having longest esophagus?  
(a) Ichthyophis      (b) Giraffe      (c) Cranes      (d) Ant eater
8. How many lobes of Liver present in Man?  
(a) Two      (b) Three      (c) Five      (d) Seven
9. Three chambered heart is present in  
(a) Amphioxus      (b) Lamprey      (c) Calotes      (d) Man
10. Which vein carries the blood from alimentary canal & spleen to liver?  
(a) Hepatic      (b) Hepatic portal      (c) Renal portal      (d) Pulmonary

(1)

(P.T.O.)

**Q-2. ANSWER IN SHORT (ANY TEN).**

**(20)**

1. Name the type of tubular glands with example.
2. Write about the keratin horns with examples.
3. Draw & labeled the diagram of contour feather.
4. Name the salivary glands & their location in Mammals.
5. Explain the feeding mechanism of Lamprey.
6. Write about the vestibule of vertebrate.
7. Write about esophagus of Amphibians.
8. Draw & labeled the T.S. of pancreas of Human.
9. Write about the Amphibian esophagus.
10. Differentiate between arteries and veins.
11. Write about lymph nodes of Mammals.
12. Draw & labeled the basic diagram of aortic arches in Birds.

Q-3. (a) Describe the comparative anatomy of integument proper with diagram.

(10)

**OR**

Q-3. (a) Write about the scales of Fishes.

(5)

(b) Write a note on Hair.

(5)

Q-4. (a) Describe the comparative anatomy of Tongue of Vertebrates.

(7)

(b) Write about teeth of Reptiles.

(3)

**OR**

Q-4. (a) Describe the general account of teeth with diagram.

(7)

(b) Write about glands of oral cavity of Reptiles.

(3)

Q-5. (a) Describe the comparative anatomy of vertebrate intestine.

(10)

**OR**

Q-5. (a) Write about comparative anatomy of stomach.

(7)

(b) Describe the esophagus of birds.

(3)

Q-6. Describe the comparative anatomy of 3 & 4 chambered heart with labeled diagrams.

(10)

**OR**

Q-6. (a) Describe the comparative anatomy of lymphatic system.

(5)

(b) Compare the venous system of Amphioxus, Cyclostome & Fishes.

(5)

— X —  
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