

[87]

SARDAR PATEL UNIVERSITY

T.Y.B.Sc. examination,

Semester : Fifth

Saturday , 26 December 2020

2:00 to 4:00 p.m

US05CZOO 02-ZOOLOGY

Comparative Anatomy of Chordates

Total Marks : 70

- Q-1 **CHOOSE CORRECT ANSWER.** [10]
- 1 In _____ gland , cells die and discharge their products.
a. Merocrine b. Apocrine c. Holocrine d. Eccrine.
 - 2 Sweet gland is example of _____ gland.
a. Simple saccular b. Simple coiled tubular c. Simple tubular
d. Compound saccular
 - 3 The cattles horn are :
a. Hollow horns b. Keratin horns c. Antlers d. Pronghorns.
 - 4 Which one of these has only molars in the Lower jaw?
a. Cow b. Rat c. Elephant d. Rabbit.
 - 5 The truly hanging part of the soft palate is called as :
a. Velum b. Uvula c. Frenum d. Supensorium
 - 6 The esophagus lined with horny papillae is found in :
a. Bird b. Toad c. Frog D. None
 - 7 Islet's of Langerhans found in :
a. Stomach b. Intestine c. Pancreas. d. Liver.
 - 8 Two chambered heart is found in :
a. Fishes b. Reptiles c. Amphibians d. Birds.
 - 9 ----- has non nucleated R.B.Cs.
a. Shark b. Toad c. Snake d. Man.
 - 10 ----- has thicker wall.
a. Arteries b. Veins c. Capillaries d. All of these.
- Q-2 [08]
- 1 _____ gland show apocrine type of secretion.
 - 2 The phenomenon by which the animal can change their body colour is called as _____.
 - 3 Pigeon's milk is produced in the _____ gland.
 - 4 _____ fish do not possess stomach and gastric gland.
 - 5 Hoofs are character of Birds.- TRUE or FALSE ?
 - 6 Birds has maxillary teeth. - TRUE or FALSE ?
 - 7 Absorption is the function of intestine.- TRUE or FALSE.
 - 8 Venous system brings deoxygenated blood from body.-- TRUE or FALSE ?

[1]

[P.T.O.]

Q-3

ANSWER IN SHORT. (Any ten)

[20]

- 1 Write the location and functions of scent gland in different mammals.
- 2 Draw neat and labelled diagram of a typical feather.
- 3 Write about mammalian tooth.
- 4 Explain briefly ruminant stomach.
- 5 Describe structure of pancreas.
- 6 Explain briefly intestine of Amphibians.
- 7 Describe briefly mouth of Amphioxus.
- 8 What is Vestibule?
- 9 List the name of different types of Beaks.
- 10 Write difference between Arteries and Veins.
- 11 Draw a labelled diagram of Human heart.
- 12 Write about Spleen.

Q-4

ATTEMPT ANY FOUR.

[32]

- 1 Describe : Scales of Fishes.
- 2 Describe : Hairs
- 3 Write about Teeth of mammals.
- 4 Explain : Lips of mammals.
- 5 Explain : Structural features of mammalian liver.
- 6 Compare the anatomical features of intestine.
- 7 Explain mammalian heart.
- 8 Describe briefly Lymphatic system.

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[2]