

SEAT No. _____

No. of Printed Pages : 2

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SARDAR PATEL UNIVERSITY

T.Y.B.Sc.

B.Sc. Sixth Semester Examination.

US06CZOO 24 (Comparative anatomy Of Chordata)



DATE : 19/07/2021

TIME : 10:00 A.M. TO 12:00 P.M.

MARKS:70

- Q-1** **CHOOSE CORRECT ANSWER.** **10**
- 1 Gland in which the secretory cells discharge product without causing much damage to cell is called _____.
a. Holocrine b. Merocrine c. Eccrine d. Apocrine.
 - 2 First formed feathers are called :
a. Powder down b. Bristles c. Quill feathers d. Nesting down.
 - 3 The freely hanging part of soft palate is called as :
a. Frenum b. Uvula c. Velum d. Vestibule.
 - 4 Pigeon's milk is produced in _____.
a. Crop gland b. Musk gland c. Gizzard d. Buccal cavity.
 - 5 The gizzard is best developed in _____ birds.
a. Insectivorous b. Prey c. Grain eating d. Aquatic.
 - 6 _____ cells secretes estrogen.
a. Theca interna b. Theca externa c. Laydig's d. None of these.
 - 7 Without copulatory organs internal fertilization occurs in _____.
a. Lizard b. Frog c. Salamander d. Aves.
 - 8 In Man and Apes _____ uterus is found.
a. Ouplex b. Bipertite c. Bicornvate d. Simplex.
 - 9 Azygous vein present in _____.
a. Amphioxus b. Cyclostomes c. Reptiles d. Mammals.
 - 10 _____ is the second aortic arch.
a. Systemic b. Mandibular c. Hyoid d. Pulmonary.
- Q-2** **08**
- 1 Excessive output of urea by sweat glands is termed as _____.
 - 2 The dentition in which the teeth are continually replaced is called as _____.
 - 3 In Amphioxus _____ pairs glands are present.
 - 4 In _____ two chambered heart is found.
 - 5 Colostrum is the covering of hairs in Human foetus .- TRUE or FALSE ?
 - 6 A shell of Bird's egg is formed by Shell gland – TRUE or FALSE ?
 - 7 During spermatogenesis, spermatids are transformed into sperms.- TRUE or FALSE.
 - 8 Lung fishes have two chambered heart. TRUE or FALSE ?

Q-3

ANSWER IN SHORT. (Any ten)

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- 1 Write about musk gland.
- 2 Differentiate between Merocrine and Holocrine gland.
- 3 List any five integumentary glands.
- 4 Define : Hyphyodont dentition
- 5 Write about intestine of elasmobranch.
- 6 Draw neat and labelled diagram of Mammalian tooth.
- 7 List the types of mammalian uteri.
- 8 Write about copulatory organs of reptiles.
- 9 Draw and label histological structure of mammalian testis.
- 10 Write about composition of lymph.
- 11 Give difference between Arteries and Veins.
- 12 Write about nodal tissues of heart.



Q-4

ATTEMPT ANY FOUR.

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- 1 Describe the comparative anatomy of sweat gland & mammary gland in mammals.
- 2 Describe : Mammalian Hair.
- 3 Write about comparative anatomy of stomach in Vertebrates.
- 4 Explain the intestine in Fishes and Amphibians..
- 5 Explain : The structure of Mammalian ovary.
- 6 Write about comparative anatomy of male duct in Reptiles , Aves and Mammals.
- 7 Describe the structure and comparative anatomy of aortic arches with diagram.
- 8 Describe comparative anatomy of Lymphatic system.

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