



SEAT No. _____

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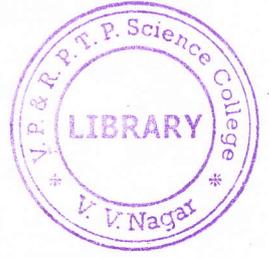
SARDAR PATEL UNIVERSITY

T.Y.B.Sc. (Sixth Semester Examination)

US06CZOO-24 (Comparative Anatomy of Chordata.)

Thursday, 7, April 2022

Time: 3:00 to 5:00 P.M.



Total marks : 70

Q-1

CHOOSE CORRECT ANSWER.

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- 1 Seed eating birds usually have _____ type of beak.
a) Spoon shaped b) Short and blunt c) Long and hooked d) Long and narrow
- 2 Fiber horns are found in _____.
a) Rhino b) Stag c) Giraffe d) Cow
- 3 Scroll valve is found in _____.
a) Bird b) Snake c) Shark d) Turtle.
- 4 _____ has diphyodont type of teeth .
a) Human b) Frog c) Sphenodon d) Turtle
- 5 Amphioxus possess _____ pairs gonads.
a) 10 b) 26 c) 16 d) 40
- 6 A small hillock of follicular cells is called as _____.
a) Zona pellucid b) Antrum c) Corona radiata d) Cumulus ooforus
- 7 Penis is present in _____.
a) Sparrow b) Pigeon c) Peacock d) Geese.
- 8 _____ permits diffusion.
a) Arteries b) Veins c) Blood capillaries d) None
- 9 In Birds , _____ heart is found.
a) 'S' shaped b) 2 Chambered . c) 3 chambered . d) 4 chambered.
- 10 The right Mullerian duct as well as right Ovary degenerate in most _____.
a) Birds b) Mammals c) Reptiles d) None

P.T.O.



Q-2

Fill in the Blanks and True/False.

- 1 Feathers are made up of _____.
- 2 In Pancreas , exocrine function is performed by _____.
- 3 In testis, Testosterone is secreted by _____ cells.
- 4 Thoracic duct belongs to _____ system.
- 5 Horns and Antlers are made up of soft bones . - TRUE or FALSE ?
- 6 Intestinal villi are meant for digestion of food. - TRUE or FALSE ?
- 7 Sertoli cells are found in Uriniferous tubules. - TRUE or FALSE ?
- 8 Lymph is devoid of Erythrocytes. -TRUE or FALSE ?

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Q-3

ANSWER IN SHORT . (ATTEMPT ANY TEN)

- 1 Draw neat and labelled diagram of Human Tooth.
- 2 Enlist the types of scales present in Fishes.
- 3 Write about scent glands of Mammals.
- 4 Draw neat and labelled diagram of Ruminant stomach.
- 5 Describe : Intestine of Fishes.
- 6 Write about crop glands of Pigeon.
- 7 List the types of mammalian Uteri with examples.
- 8 Draw neat and labelled diagram of Mammalian Testis.
- 9 Describe : Oviducts in Birds
- 10 Write difference between Arteries and Veins.
- 11 Write functions of Lymph nodes.
- 12 What is Cysterna chyli ?

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Q-4

ATTEMPT ANY FOUR.

- 1 Describe : Contour Feather.
- 2 Write about Ganoid and Placoid Scales in Fishes.
- 3 Write about comparative anatomy of stomach in Aves and Mammals.
- 4 Describe comparative anatomy of teeth in Fishes , Amphibians & Reptiles.
- 5 Describe the Structure of Mammalian Ovary with diagram.
- 6 Write about copulatory organs in Reptiles, Aves & Mammals.
- 7 Describe : Lymph formation.
- 8 Describe evolution of Heart.

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(2)