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SEAT No. _____

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SARDAR PATEL UNIVERSITY

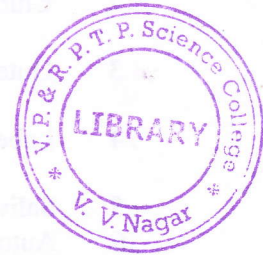
S.Y.B.Sc (THIRD SEMESTER) EXAMINATION.

TUESDAY, 30 /11/2021

TIME:03: 00 p.m.—05:00 p.m.

US03CZOO 22 (ZOOLOGY)

(HUMAN PHYSIOLOGY & ADAPTATION)



TOTAL MARKS :70

Q-1 CHOOSE CORRECT ANSWER : 10

- 1 _____ Salivary gland present in Human.
a.Submandibular b. Parotid c. Sub maxillary d.None.
- 2 _____ stores and concentrate the bile :
a.Liver b. Gall bladder c. Intestine d. Stomach.
- 3 The Lymph containing fat appears milky is called as :
a. Chyle b. Chilomicron c. Lacteals d. Emulsion
- 4 Exchange of oxygen and carbon dioxide at the respiratory surface occurs through _____:
a.Active transport b.Passive transport c.Osmosis d.Diffusion
- 5 Which of the following prevents collapsing of trachea ?
a. Diaphragm b. Cartilagenous rings c. Ribs d. Muscles
- 6 In _____ oxygenated blood is present.
a.Right auricle b. Pulmonary artery c. Veins d. None.
- 7 Exocoetus is an example of _____ adaptation.
a. Arboreal. b. Fossoreal. c. Primary aquatic d. Secondary aquatic.
- 8 Webbed feet is characteristic features of _____ adaptation
Aquatic b. Desert c.Scansorial d.Burrowing
- 9 Blood vessels supplying oxygenated blood to heart muscles are -----
a. Carotid artery. b. Coronary artery c. Pulmonary artery d. Phrenic artery
- 10 Insulin is related with :
a. Beta cells b. Pancreas c. Glucose metabolism d. All of these.

- Q-2
- 1 _____ is degraded into fattyacids and Glycerols.
 - 2 Chloride shift is required for transportation of _____.
 - 3 Outer covering of Human heart is called as _____.
 - 4 Labeo rohita exhibits _____ adaptation.
 - 5 Saliva contains amylase enzyme..- TRUE or FALSE ?
 - 6 Autotrophs and photosynthesis is related with each other.- TRUE or FALSE ?
 - 7 Hydrolymph is respiratory in function.. TRUE or FALSE ?
 - 8 Guinea pig never drinks water. TRUE or FALSE ?

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Q-3 ANSWER IN SHORT : (ANY TEN)

- 1 What is chyle ?
- 2 Write about cardiac cycle.
- 3 What is erythropoiesis ? List the regulating factor of it.
- 4 Write significance of Liver.
- 5 Write about lungs ?
- 6 Write about symptoms of Pneumonia.
- 7 List the name of digestive enzymes.
- 8 Write difference between plasma and serum.
- 9 Write about tuberculosis.
- 10 What is zygodactylus limbs ?
- 11 What is the diversity of Torpido.
- 12 Write about feathers.



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Q-4 ATTEMPT ANY FOUR.

- 1 Write a note on : Ulcerative colitis.
- 2 Explain absorption in intestine.
- 3 Describe the internal structure of human heart & mechanism of circulation.
- 4 Describe about ABO system of blood group and add a note on Rhesus blood factor.
- 5 Explain briefly human respiratory system.
- 6 Explain - Cystic fibrosis.
- 7 Describe: Desert adaptations.
- 8 Write a note on : Mimicry.

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