

SEAT No. _____

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Sardar Patel University

Third semester B.Sc. Examination 2021 (NC)

Zoology- US03CZ00 02

Day: Thursday

Date: 7-1-2021

Time: 2 to 4 pm

Marks: 70

Q.1 Multiple choice questions.

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- i. Which blood group system is found in human?
(a) ABO (b) ABC
(c) ABD (d) ABE
- ii. Four chambered heart is the characteristic feature of?
(a) Mammals (b) Molluscs
(c) Pisces (d) Annelids
- iii. A transparent covering of heart is called?
(a) Epicardium (b) Endocardium
(c) Pericardium (d) Myocardium
- iv. All are respiratory diseases except?
(a) Asthma (b) Bronchitis
(c) Encephalitis (d) pneumonia
- v. Volume of air remaining in the lungs after maximal respiratory effort is?
(a) Vital capacity (b) Total lung capacity
(c) Total volume (d) Residual volume
- vi. Scientific name of blood fluke is?
(a) Trypanosoma (b) Taenia
(c) Dracunculus (d) Schistosoma
- vii. Which one is not a sexually transmitted?
(a) Cancer (b) AIDS
(c) Syphilis (d) Genital herpes
- viii. Hook worm is also known as?
(a) Balantidium (b) Oxyuris
(c) Ancylostoma (d) None
- ix. The tactile organ of burrowing animal is?
(a) Head (b) Hand
(c) Tail (d) None
- x. Aerial adaptation is also called as?
(a) Scansorial (b) Cursorial
(c) Volant (d) Arboreal

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[P.T.O.]

Q.2. Fill in the blanks

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- i. HIV causes.....
- ii. Salivary gland of Leech secretes.....
- iii. Sleeping sickness is caused by.....
- iv.disease related to heart.

State true or false

- v. Emphysema is a disease of lung.
- vi. Open type of blood vascular system is found in Cockroach.
- vii. Trypanosoma is a protozoan.
- viii. Largest aquatic animal is Whale.

Q3. Short answer questions. (Write any ten)

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- i. What is blood transfusion?
- ii. What is pace maker? Explain its role.
- iii. Enlist types of anticoagulant.
- iv. What is respirometer?
- v. explain Asthma and its treatment.
- vi. Explain inspiratory and exrespiratory reserve volume.
- vii. What causes syphilis? Enlist the symptoms
- viii. Enlist types of anemia
- ix. Write about Entamoeba histolytica
- x. What is camouflage? Explain with example.
- xi. Write a short note on Echolocation.
- xii. Define cursorial adaptation with example.

Q.4. Long questions. write **any four**.

8x4=32

- i. Describe structure of heart.
- ii. Describe blood clotting mechanism.
- iii. Write a note on lungs.
- iv. Write a detailed note on two respiratory diseases.
- v. Write a note on AIDS
- vi. Write about Guinea worm.
- vii. Describe flight adaptations.
- viii. Give an account of aquatic adaptations with examples. .

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