

**St. Thomas' School, Agra**  
**Half yearly Specimen Question paper (2024-25)**  
**Class: VI**  
**Subject: Biology**

**M. Time: 2 Hours**

**M. Marks: 80**

**Name:** \_\_\_\_\_

**Roll No.:** \_\_\_\_\_

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**Section – A ( 40 Marks)**

**Question 1. Choose the correct answer and write it.**

**[10]**

i. This is the instrument used to measure blood pressure:

- (a) Sphygmomanometer
- (b) Thermometer
- (c) Stethoscope
- (d) Glucometer

ii. Which of the following terms is used for contraction of the heart?

- (a) Lymph
- (b) Aorta
- (c) Plasma
- (d) None of these

iii. Which of the following surrounds the axon?

- (a) Cyton
- (b) Neuron
- (c) Dendrite
- (d) Myelin sheath

iv. This part of a neuron contains nucleus.

- (a) Axon
- (b) Cyton
- (c) Dendrite
- (d) None

v. Which disease is caused by *Vibrio Cholerae*?

- (a) Polio
- (b) Malaria
- (c) Typhoid
- (d) Cholera

vi. Which of the following is an example of genetic disorder?

- (a) Measles
- (b) Haemophilia
- (c) Polio
- (d) Plague

vii. What is the practice of breeding and production of fish called?

- (a) Pisciculture

- (b) Apiculture
- (c) Sericulture
- (d) Poultry

viii. Which of the following is an example of medicinal plant?

- (a) Jute
- (b) Jowar
- (c) Wheat
- (d) Aloe vera

ix. Which of the following is used for cutting crops?

- (a) Sickle
- (b) Winnowing
- (c) Fertiliser
- (d) Seed drill

x. Who is considered as the father of organic farming?

- (a) Sir Albert Howard
- (b) Both a and b
- (c) M.S. Swaminathan
- (d) None of these

**Question 2. Complete the following sentences:**

**[5]**

- i. Oxygen is carried by a red pigment called \_\_\_\_\_ present in the red blood cells.
- ii. \_\_\_\_\_ is an infectious disease that usually affects the lungs.
- iii. \_\_\_\_\_ instrument is used to measure heartbeats.
- iv. The cells of pancreas secrete hormone called \_\_\_\_\_.
- v. A waterless area of land covered with sand and having little or no vegetation is called a \_\_\_\_\_.

**Question 3. Correct the following false statements by writing the correct statement if statement is correct, write no correction.**

**[5]**

- i. Vaccination is the immediate help given in case of an accident.
- ii. A neuron consists of a main cell as the body which is known as dendrite.
- iii. The brain is round in shape and has a smooth exterior.
- iv. Cover the burned part of the body with clothes or jewellery.
- v. Pulmonary vein carries deoxygenated blood from the heart to the lungs.

**Question 4. Match the items given in Column A with the most appropriate ones in Column B and rewrite the correct matching pairs:**

**[5]**

**Column A**

- i. Autonomic nervous system  
the brain from mechanical shocks
- ii. Central nervous system  
cavity filled with blood.
- iii. Cerebro spinal fluid  
of brain and spinal cord

**Column B**

- a) Protects
- b) body
- c) consisting

- iv. Hermaphrodite operates automatically or involuntarily  
 v. Haemocoel and female reproductive organs occur in same individual.

- d) which  
 e) both male

**Question 5. Answer the following questions in one or two words:** [5]

- i. Name the particles which react with antigens to produce allergic reactions.  
 ii. Name the main thinking part of the brain.  
 iii. Name the membrane by which the spinal cord is surrounded.  
 iv. Name the shorter fibres on the body of a neuron.  
 v. Name the largest phylum of Animal kingdom.

**Question 6. Give an example of each of the following:** [5]

- i. One disease caused due to bacteria.  
 ii. One metabolic disease.  
 iii. One Aquatic animal.  
 iv. One aquatic plant  
 v. One Mountain tree

**Question 7. Complete the following table\Flow Chart:** [5]

Vitamin/Mineral	Deficiency Disease	Food rich in the nutrient (any 2)
1.Vitamin A	_____	Carrot, Mango
2.Vitamin C	Scurvy	_____
3. _____	Beri beri	Beans, Eggs
4. Calcium	_____	Milk, Dairy products
5. _____	Goitre	Iodized salt, Sea food

### Section – A ( 40 Marks)

**Question 8. Draw the following diagrams.** [1 x 4= 4]

- i. Cross-section of a spinal cord

**Question 9. Define the following terms** [ 2 x 3 = 6]

- i. Capillaries    ii. Anaerobic Respiration    iii. Breathing

**Question 10. Answer the following short questions:** [2 x 4= 8]

- i. Why should we cover our bodies while going out in the sun?  
 ii. Name any four food allergens.  
 iii. What kind of bodily movements are coordinated by the cerebellum?  
 iv. Draw a flow chart to show the classification of nervous system into various parts.

**Question 11. Give reason of any two questions:** [2 x 2= 4]

- i. Food allergies can be life-threatening, requiring immediate medical attention.  
 ii. The spinal cord does not take all commands from the brain.

**Question 12. Distinguish between the following:** [2 x 2= 4]

- i. Seasonal and perennial allergies  
 ii. Central nervous system and Peripheral system

**Question 13.HOTS question/Application based question:**

**[2.5 x 2= 5]**

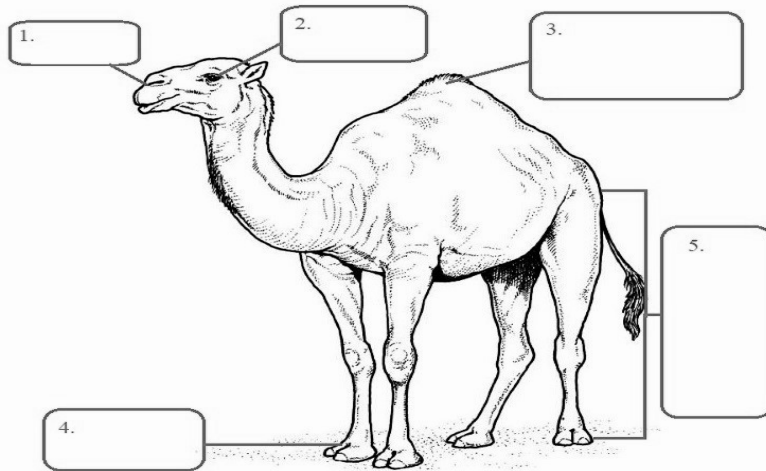
There are two animals A and B. The animal A has long legs and it can drink large amount of water at one go. The hump of this animal has a substance C stored in it. The animal B has a streamlined body shape. It moves using its fins and tail. The animal breathes through the special organs D.

- a. Name - (i) animal A, and (ii) substance C
- b. Name- (i) animal B, and (ii) organs D

**Question 14. 3 questions including long, draw diagram, labeling the diagrams, evaluation and creativity based:**

**[3 x 3= 9]**

- i. Explain some preventive measures of food allergy.
- ii. Describe the phylum Chordata and any one of its classes.
- iii. Label the given diagram.



**NOTE:**

This specimen paper is provided as an example of the format and type of questions that may appear on the half yearly exam (2024-25). It is intended to help students familiarize themselves with the structure and expectations of the exam