

GREENLAWNS SCHOOL, WORLI
TERMINAL EXAMINATION 2025-26
BIOLOGY

Std: VIII

Marks: 80

Date: 12/09/2025

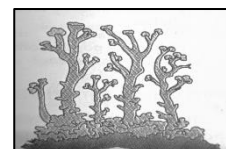
Time: 2 hours

Attempt all questions. Diagrams to be drawn with a pencil.

Figures to the right indicate the marks []

Q I) Choose one correct answer to the questions from the given options: [10]

- a. Neha swallowed a piece of food into her windpipe due to which her windpipe got blocked and she was unable to breathe. This condition of Neha is known as:
(i) Fainting (ii) Poisoning (iii) Choking (iv) Sprain
- b. Acromegaly is referred to as a state in which bones thicken and face becomes massive due to excessive production of:
(i) Thyroxine (ii) Insulin (iii) Adrenaline (iv) Growth hormone
- c. Protein molecules produced in the blood to fight against the disease-causing agents are known as:
(i) Vaccine (ii) Antibodies (iii) Antigens (iv) Hormones
- d. The functional junction between two neurons is called:
(i) Synapse (ii) Axon (iii) Cyton (iv) Dendrites
- e. Blood platelets are also known as:
(i) Leucocytes (ii) Thrombocytes (iii) Erythrocytes (iv) None
- f. The process by which blood capillaries squeeze out WBCs into tissues is known as:
(i) Vaccination (ii) Immunization (iii) Diapedesis (iv) Blood transfusion
- g. Which of the following serve as the bridge between Cerebrum and Cerebellum:
(i) Thalamus (ii) Medulla (iii) Pons (iv) Spinal cord
- h. Filarial worms transmitted by blackflies cause:
(i) Measles (ii) Dengue (iii) Elephantiasis (iv) Chikungunya
- i. Components of the lymph nodes that engulf micro-organisms and foreign particles from the lymph are:
(i) Macrophages (ii) Lymphocytes (iii) Plasma cells (iv) All of these
- j. The symbiotic relationship in which an alga and a fungus live together as shown below is that of:
(i) Rhizobium (ii) Lichens
(iii) Cuscuta (iv) Mistletoe



Q II) Correct the statements by changing the underlined words, if required: [5]

- a. Systole is the phase of heart cycle when heart muscle contracts.
- b. Thyroid gland is known as the gland of emergency.
- c. Generally, girls have a low-pitched voice, whereas the voice in boys is deep.
- d. The idea of conditioned reflex action was given by Pavlov, a Russian physiologist.
- e. Mitral valve is located between the right auricle and right ventricle.

Q III) Fill in the blanks:

[5]

- _____ is both exocrine as well as endocrine gland.
- BCG vaccine is given for preventing disease called _____.
- Second degree burns result in the formation of a small skin swelling with a watery substance known as _____.
- The ground vegetation found in Temperate and Subtropical Evergreen Forests consist of well-developed _____.
- The two cerebral hemispheres are interconnected by a thick band of nerve fibers known as the _____.

Q IV) Match the following:

[5]

- | | |
|-------------------|---------------------------------|
| a. Blood group AB | i. Caused by Plasmodium |
| b. Blood group O | ii. Seen in early growing years |
| c. Cretinism | iii. Universal donor |
| d. Myxedema | iv. Universal recipient |
| e. Malaria | v. Seen in adults |

Q V) Complete the correlation:

[5]

- Bacteria : Decomposers :: Cats: _____
- Photoreceptors : Detect light :: _____ : Detect smell
- _____ : Bees :: Vinegar : Wasp bites
- Dengue : Dengue virus :: _____ : Rubeola virus
- _____ : Heart :: Meninges : Brain

Q VI) Define the following terms:

[5]

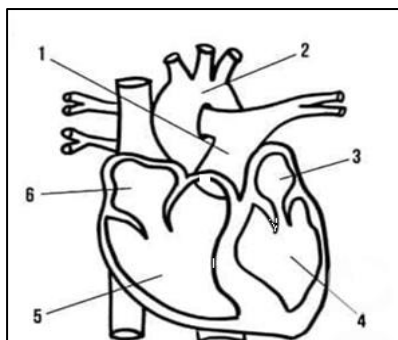
- | | |
|-------------------------|-----------------|
| a. Adolescence | d. Parasitism |
| b. Impulse | e. Immunization |
| c. Systemic circulation | |

Q VII) Distinguish between the following with reference to what is stated within the brackets:

[5]

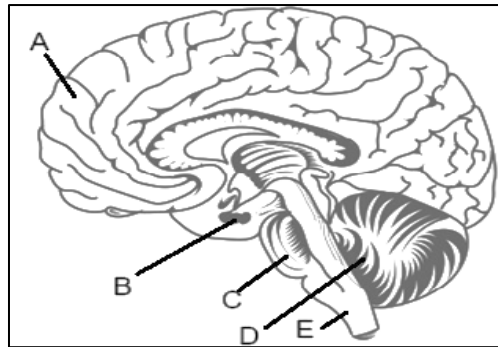
- Hypertension and Palpitation (meaning)
- White matter and Grey matter (composition)
- Insulin and Glucagon (function)
- Sprain and Fracture (type of first aid given)
- Pulmonary vein and Pulmonary artery (kind of blood)

Q VIII A) Rajita was studying for her biology test the next day. She could not answer the following questions from her textbook and asked her elder sister for help:



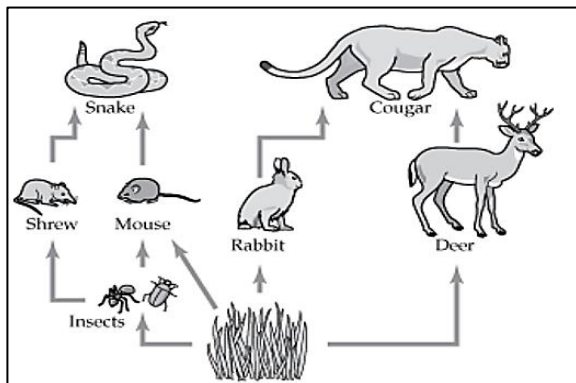
- Give the number and names of chambers of the heart as shown in the figure. **[2]**
- Which chamber of the heart receives deoxygenated blood from the body? **[1]**
- What is a pacemaker? **[1]**
- Write down the functions of the parts '1' and '2'. **[2]**

B) Harsh accompanied his father to a clinic for his medical checkup. He observed the below given chart at the clinic and asked the following questions to his father.



- Which organ is shown above? Name the largest part of this organ. [1]
- Why does part 'A' consist of modifications of the surface as shown? [1]
- Why is part 'B' called as the master gland? [1]
- Label the parts 'C', 'D' and 'E'. What are they together known as? [2]
- What is the main function of parts 'D' and 'E'? [2]

C) Maya was watching National Geographic channel on her television set. She observed the interaction given below and noted down the important points in her diary but had a few doubts in her mind. Help her understand better by answering her doubts.



- What type of interaction is shown? Define the same. [2]
- From the given flowchart, give two examples for the flow of food energy in: [2]
i) 3 steps food chain ii) 4 steps food chain
- Does this type of interaction exist in nature? Give reason for your answer. [1]

D) Saurabh hurt his left eye during a recent football match. He visited his aunt who is also, a doctor by profession. Can you help Saurabh by providing him the correct first aid for eyes,

- If the foreign body is found under his upper eyelid? [1]
- If the foreign body cannot be washed out by water? [1]



Q IX) Answer the following questions:

[10]

- What are narcotic drugs? When do people start showing “withdrawal symptoms”?
- Which hormone is secreted by the adrenal medulla? Mention any one effect that this hormone has in our body.
- When can stress be positive and when can it be negative?
- Name the two types of Autonomic Nervous System found in our body. Give one example of each.
- Explain pulmonary circulation in brief.

Q XA) Give one scientific reason for the following:

[6]

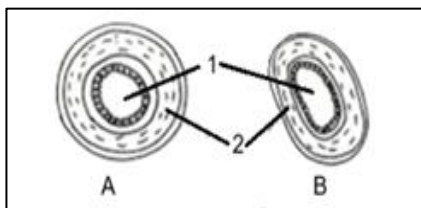
- Some plants like mistletoe behave as partial parasites.
- Blood of the donor and the recipient must be tested before blood transfusion.
- The axon of the neuron is often covered by a fatty sheath called the myelin.
- Vaccines help in providing immunity against diseases.
- Sunburns are more common in fair-skinned people.
- Lymph is a colourless or straw yellow coloured fluid.

B) Draw a neat labelled diagram of Reflex arc in stimulus-response mechanism.

[2]

C) Observe the following pictures A and B and answer the questions that follow:

[2]



- Identify the blood vessels shown as A and B.
- Label the parts ‘1’ and ‘2’.
