

GREENLAWNS SCHOOL, WORLI
FINAL EXAMINATION 2025-26
BIOLOGY

Std: VIII

Marks: 80

Date: 24/02/2026

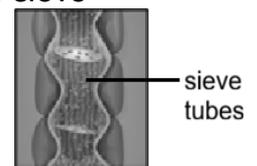
Time: 2 hours

Attempt all questions. Diagrams to be drawn with a pencil. You will not be allowed to write during the first 10 minutes. This time is to be spent in reading the Question paper.

Figures to the right indicate the marks []

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

- a. Rajat detached the stem part of one plant and attached it with the root of another plant. This process of vegetative propagation is known as:
(i) Cutting (ii) Layering (iii) Budding (iv) Grafting
- b. The milky secretion containing millions of sperms is:
(i) Sap (ii) Stamen (iii) Semen (iv) Menstrual flow
- c. The animals which are used for farm activities are called:
(i) Milch animals (ii) Draught animals (iii) Poultry animals (iv) All of these
- d. Which of the following is caused due to rubeola virus?
(i) Influenza (ii) Measles (iii) Pneumonia (iv) Chikungunya
- e. The withdrawal of water or solvent molecules from a cell into an external concentrated solution is known as:
(i) Exosmosis (ii) Endosmosis (iii) Plasmolysis (iv) Deplasmolysis
- f. White leghorn, Rhode island red and Australorp are examples of _____ type of breed of poultry.
(i) Local (ii) Composite (iii) Indigenous (iv) Exotic
- g. The type of fracture in which the bone bends and half breaks, and is most common in children is the:
(i) Open fracture (ii) Closed fracture (iii) Greenstick fracture (iv) Compound fracture
- h. The vaccines against rabies, anthrax and chicken cholera were developed by:
(i) Edward Jenner (ii) Louis Pasteur (iii) Verghese Kurien (iv) M.S. Swaminathan
- i. Application of cold water on the affected area that results from overexposure to sunlight, is a treatment for:
(i) First degree burn (ii) Second degree burn
(iii) Third degree burn (iv) Snake venom
- j. The thin walled and elongated cells attached to the lateral sides of the sieve tubes are:
(i) Phloem fibres (ii) Companion cells
(iii) Phloem parenchyma (iv) Phloem sclerenchyma



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

- a. The estrogen is the male sex hormone.

- b. The protoplasm of a turgid cell presses the cell wall outside with a force called transpirational pull.
- c. Composite fish culture is also known as Polyculture of fish.
- d. Fainting occurs when the wind pipe becomes blocked and the sufferer is then unable to breathe.
- e. Alcohol reduces alertness of mind and when taken in excess causes liver damage.

Q III) Fill in the blanks: [5]

- a. _____ are commercial gardens in which fruit trees are grown for sale in the market.
- b. If the stigma is longer than the pollen-bearing anthers, the flower has to be _____ pollinated.
- c. _____ are the most important cells of all the four types of xylem elements.
- d. Earthworm, tapeworm and leech are common examples of _____ animals.
- e. _____ reproduction involves only one parent.

Q IV) Match the following: [5]

- | | |
|-------------------|----------------------------------|
| a. Animal bladder | i. Marine fishes |
| b. Cell wall | ii. Hypophysation |
| c. Hilsa, salmon | iii. Semi permeable membrane |
| d. Catfish, rohu | iv. Extensively studied silkworm |
| e. Bombyx mori | v. Permeable membrane |

Q V) Complete the correlation: [5]

- a. Corm : Colocasia :: Turmeric : _____
- b. _____ : Plasmodium :: Dengue : Dengue virus
- c. Soap water : Ant bite :: _____ : Wasp bite
- d. Cheese processing : Aspergillus :: _____ : Lactic acid bacteria
- e. Chlorosis : Nitrogen :: Delayed maturity : _____

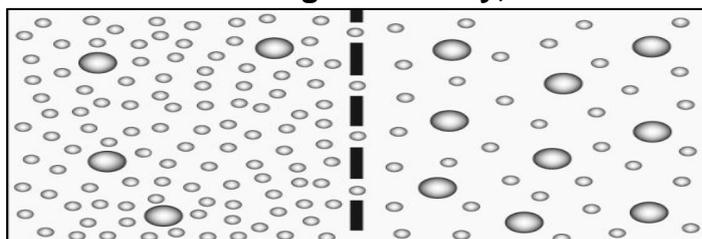
Q VI) Define the following terms: [5]

- | | |
|-----------------|---------------------|
| a. Menstruation | d. Plantation crops |
| b. Sericulture | e. Ascent of sap |
| c. Osmosis | |

Q VII) Distinguish between the following with reference to what is stated within the brackets: [5]

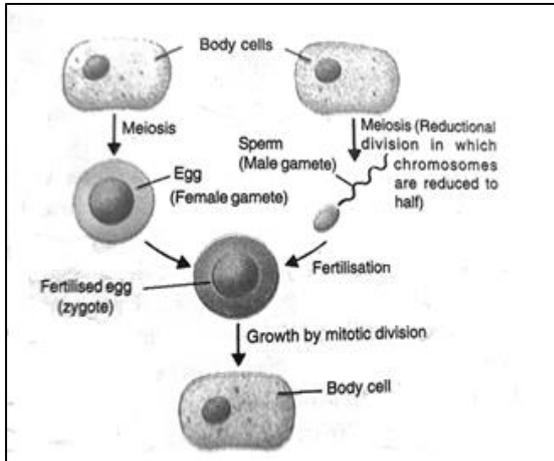
- a. Layers and Broilers (kind of food given)
- b. Calyx and Corolla (whorls of)
- c. Pollination and Fertilisation (meaning)
- d. Xylem and Phloem (function)
- e. Biennials and Perennials (one example each)

Q VIII A) Sudeepti was performing an experiment using the following set-up. Her younger sister who was watching her closely, asked her the below given questions:



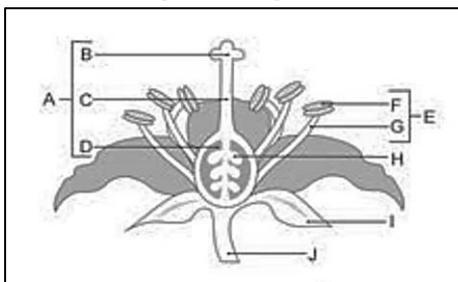
- What is this process called? How is it different from diffusion of ink into water? [1½]
- Define the membrane as shown in the middle of the two containers. [1]
- Give two important roles of this process in plants. [2]
- How are minerals from the soil absorbed by plants? [1½]

B) Tushar saw the following picture in his biology textbook. He could not understand a few terms and asked the following questions to his biology teacher in the class:



- Which type of reproduction is shown in the picture? [½]
- Mention any two characteristics of such type of reproduction. [2]
- Where are the male and female gametes produced in the human body? [1]
- What is parthenogenesis? Give one example of the same. [1½]

C) Aryan brought a flower from the nearby garden and started studying its various parts. He made different groups as shown below but got confused while writing about the same. Can you help him with the following details?



- Redraw the parts 'A' and 'E' and name their subparts as shown in the figure. [2½]
- What do parts 'D' and 'H' form after fertilisation? [1]
- What is the function of part 'I'? [1]
- What is part 'J' known as? [½]

D) Kiara downloaded the following pictures from the internet to stick in her biology project book. Her aunt, who happens to be a university professor came to visit her the same day. She helped Kiara in completing her project by answering the questions given below:

- Identify these pictures and mention which branch of agriculture do they belong to. [2]



(i)



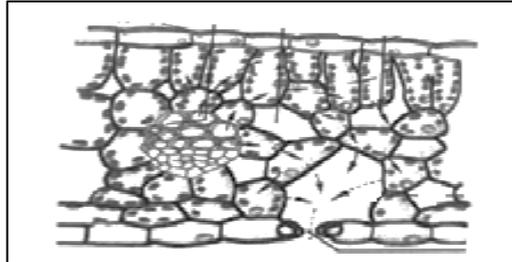
(ii)

- What is the advantage of cultivating five or six species together in a single pond, as shown in picture(i)? [1]
- State any two uses of the sweet product in our day-to-day life, as obtained from picture(ii). [2]

Q IX) Answer the following questions:

[12]

- Nidhyaan was playing outside with his friends when suddenly he fell down and injured his joint involving damage to the ligaments around his ankle. Suggest two ways of treatment that you would provide to Nidhyaan if you were among one of his friends present at that time?
- What is a potometer? Why is the relative rate of bubble movement the least during the dark?
- Discuss the two main types of feed given to the cattle.
- Heena was studying the slide given below under the microscope. Assist her in drawing conclusion that xylem vessels help in transpiration.



- State one function each of the following parts of the male reproductive system:
 - Epididymis
 - Vas deferens
- Give the full form of the following vaccines:
 - DPT
 - BCG

Q XA) Give one scientific reason for the following:

[5]

- Tobacco consumption can be extremely harmful to older people.
- There is no pollution of crop plants, soil, water or air in organic farming.
- Mushrooms are cultivated on a commercial scale.
- The ability of women to bear children stops once menopause is attained.
- Animals that fertilise externally produce many more eggs as compared to animals that fertilise internally.

XB) Draw a neat labelled diagram of a fully grown root hair.

[3]
