



St. Mary's Convent Inter College, Prayagraj

First Terminal Examination 2025-26

Subject – Biology

Time : 2hrs.

Class - 9

M.M. : 80

Name :

Roll No.

Date :

Section A

{Do not copy the questions, only write the correct answers.}

Question 1 : Choose the correct option.

(15x1)

- i. The tubules of Golgi complexes are technically termed as:
 - a. Cristae
 - b. Vesicles
 - c. microtubules
 - d. Cisternae
- ii. Tendons and ligaments are examples of:
 - a. Cartilage
 - b. Muscular tissue
 - c. Adipose tissue
 - d. Fibrous connective tissue.
- iii. The condition of androecium when all the stamens are free from each other is termed as:
 - a. Polypetalous
 - b. Polysepalous
 - c. Polyandrous
 - d. Polyadelphous
- iv. Which of these does not belong to the embryo sac of a flower?
 - a. Synergids
 - b. Antipodal cells
 - c. Polar nuclei
 - d. Generative nucleus
- v. The distinct whitish oval scar on the concave side of the seed is termed as :
 - a. Scutellum
 - b. Hilum
 - c. micropyle
 - d. Germ pore
- vi. Respiration in plants occurs:
 - a. Only in leaves
 - b. Only in lenticels
 - c. Only in stomata
 - d. In all the parts
- vii. Which of the following belongs to class pisces?
 - a. Silverfish
 - b. Dogfish
 - c. Jellyfish
 - d. Cuttlefish
- viii. Which of the following diseases can be prevented by TAB vaccine?
 - a. Tetanus
 - b. Taeniasis
 - c. Tuberculosis
 - d. Typhoid
- ix. Yeast is used in the production of:
 - a. Ethyl alcohol
 - b. cheese
 - c. curd
 - d. Acetic acid
- x. Assertion (A) Gymnosperms are flowering plants which bear naked seeds.
Reason (R) Gymnosperms bear seeds in cones.
 - a. A is True and R is false
 - b. Both A and R are true
 - c. A is False and R is True
 - d. Both A and R are False
- xi. Assertion (A): In many respects, respiration and photosynthesis in plants are distinctly opposite processes.
Reason (R): In photosynthesis food is oxidized, whereas in respiration food is manufactured.
 - a. A is True and R is False
 - b. Both A and R are True.
 - c. A is False and R is True
 - d. Both A and R are false



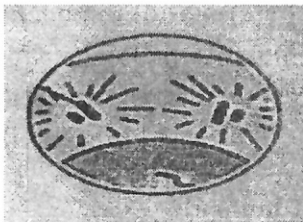
- (iv) Arrange and rewrite the terms in each group in the correct order so as to be in a logical sequence beginning with the term that is underlined. (5)
- Cytoplasm, cell membrane, chromatin, nucleus, cell wall.
 - Pollination, germination, seed, seedling, fertilization.
 - Zygote, embryo, seed, allogamy, fusion of gametes.
 - Ovule, stigma, egg cell, style, ovary.
 - Pedicel, carpel, corolla, stamen, calyx.
- (v) Choose the odd one out and name the category to which the others belong. (5)
- Aerobic, anaerobic, photosynthesis, respiration, fermentation.
 - Grasshopper, crab, crocodile, housefly.
 - Parenchyma, collenchyma, sclerenchyma, xylem.
 - Stamen, pistil, ovary, thalamus.
 - Chinarose, sunflower, vallisneria, salvia.

Section B

(Attempt any four questions from this section)

Question 3

- Define Botulism. (1)
- Differentiate between aerobic and anaerobic respiration with regard to the products formed. (2)
- Describe one advantage and one disadvantage of cross pollination. (2)
- Explain double fertilization. (2)
- The given figure is found in animal cell but not in plant cell. (3)



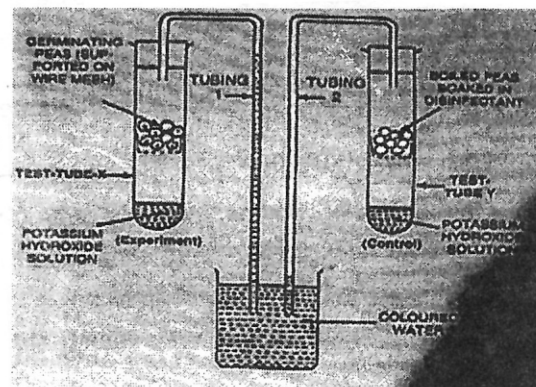
- What is this structure called?
- It contains one or two dot like dense bodies surrounded by microtubules. Name them.
- Write one important role of the above mentioned structure.

Question 4

- Justify the statement that the maize grain is a 'one seeded fruit'. (1)
- Describe two uses of bacteria in industry. (2)
- Give one difference between bryophytes and pteridophytes. (2)
- Give one function of (i) micropyle (ii) seed coat (2)
- Name the phylum of each of the following invertebrates. (3)
 - Leech
 - Sponge
 - Sea cucumber

Question 5

- What are bracts? (1)
- State one major function of (a) tube nucleus (b) Glycogen granule (2)
- Write the full forms of (a) WHO (b) ATP (2)
- Name two free living bacteria in the soil (2)
- Look at the figure and answer the following questions. (3)
 - What is the purpose of keeping potassium hydroxide solution in the test tubes X and Y
 - Why has the coloured water risen in tubing 1?
 - Name the biological process which causes the above rise.



Question 6

- What is the location of the nectaries? (1)
- What are the advantages of the following in the flower to the plant concerned? (2)
 - Long and feathery stigma
 - Smooth and light pollen
- Explain (a) Incomplete flower (b) pistillate flower (2)
- Mention two objectives of Red Cross. (2)
- Draw the diagram of a mature pollen grain. (3)

Question 7

- What is the location of the thalamus? (1)
- Explain any two contrivances in flowers which favour cross pollination. (2)
- Give one distinguishing feature of : (2)
 - phylum Cnidaria
 - phylum Mollusca
- Give one difference between bone and cartilage. (2)
- The diagram given below shows a particular process. Study the same and answer the questions that follow: (3)
 - What is the aim of the experiment?
 - Why is soda lime placed in the tube?
 - What change is seen in flask B.

