



ST. JOSEPH'S COLLEGE, PRAYAGRAJ

FIRST UNIT TEST 2025-26

BIOLOGY

CLASS – IX

TIME: 1 Hour

MM: 30

SECTION – A [15 Marks]

(Attempt all the questions)

Q 1) Choose the correct option from the given choices:

[5]

1. The statement that is false for a cell wall of a plant cell is:

- (a) It is non-living; (b) made up of cellulose (c) semi-permeable (d) outermost layer in plant cell.

2. Assertion (A): Nucleus is the powerhouse of the cell.

Reason (R): Nucleus contains DNA.

- (a) A is true but R is false.
(b) Both are false.
(c) A is false but R is true.
(d) Both are true.

3. The full form of DNA is:

- (a) Dinitrogenic acid (b) Dioxyribonucleic acid (c) Deribonucleic acid (d) Deoxyribonucleic acid

4. The cell organelle found in plant cells that is similar in function to golgi bodies of an animal cell is:

- (a) Ribosomes (b) Dictyosomes (c) Chromosomes (d) Endoplasmic reticulum

5. The first cell was discovered by:

- (a) Rudolf Virchow (b) Antony Leeuwenhoek (c) Theodor Schwann (d) Robert Hooke

Q 2) Name the following:

[5]

- (a) Pigment dissolved in the sap of vacuole.
(b) The membrane of the vacuole.
(c) Group of organisms that have a well-defined nucleus.
(d) Hereditary units that are carried by chromosomes.
(e) Dark spherical structure found inside the nucleus.

Q 3) State the function of the following:

[5]

- (a) Centrosome (b) Ribosome (c) Vacuole (d) Lysosome (e) Cytoplasm

SECTION – B [15 Marks]

Q 4) (i) Draw a neat diagram of an animal cell and label any 3 important structures.

[3]

(ii) Name the cell organelle and the pigment that is responsible for photosynthesis.

[2]

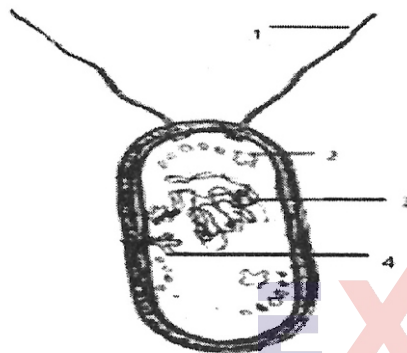
Q 5) (i) State three points of cell theory.

[3]

(ii) State two reasons why the cells are small?

[2]

Q 6) Given below is a picture of a cell. Observe carefully and then answer the following questions.



(i) Label the structures marked as 1, 2, 3, 4

[4]

(ii) Identify the above given type of cell.

[1]