



DELHI PUBLIC SCHOOL NEWTOWN
SESSION 2022-23
MONDAY TEST

CLASS: IX
SUBJECT: BIOLOGY

FULL MARKS: 40
DATE: 11.7.22

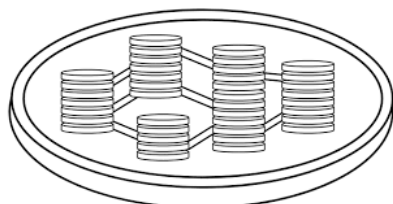
General Instructions:

- The paper consists of three printed pages.
- Answers should be to the point.
- Copy the question number carefully before answering the questions.
- Marks will be deducted for spelling errors.

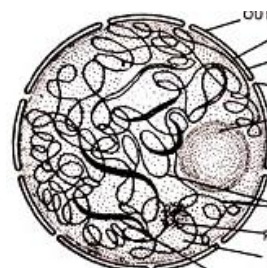
1. Choose the correct answer: [5]

- a. Fibrous tissue which joins muscles to bone
i. Ligament, ii. Tendon, iii. Muscle, iv. Lymph
- b. Ray floret of sunflower is an example of
i. Complete flower, ii. Bisexual flower, iii. Neuter flower,
iv. Hermaphrodite flower.
- c. Structural and functional unit of a living organism is
i. Tissue, ii. Cell, iii. Organ, iv. Organ System
- d. Chlorophyll is present in the structure
i. Chromoplast, ii. Endoplasmic Reticulum, iii. Thylakoid, iv. Lysosome
- e. Cell wall is composed of
i. Cellulose, ii. Lipoprotein, iii. Fat, iv. Granules

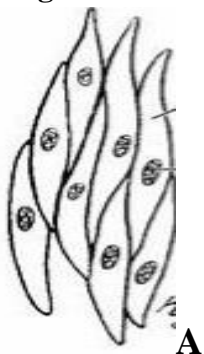
2. Identify the organelles A and B and mention one important characteristic feature and one important function of each of them. [5]



B.



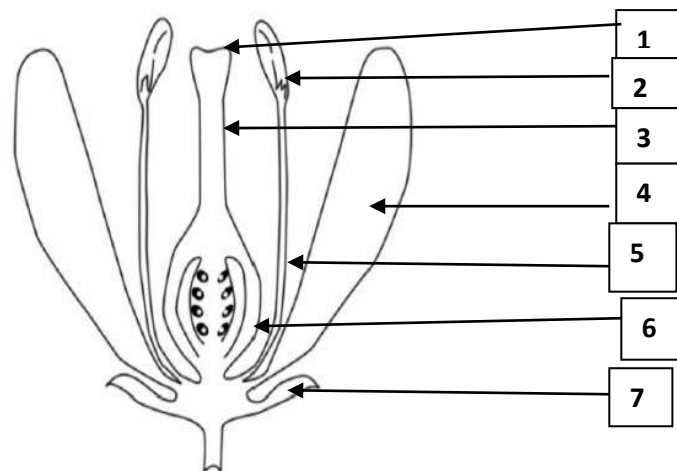
3. Give reasons for the following: [5]
- Plasma membrane is known as the selectively permeable membrane of the cell.
 - Meristematic tissue is found in the tip of the root.
 - Flower of *Hibiscus* is a complete flower.
 - Palm is a dioecious plant.
 - Animal cells have more mitochondria than a plant cell.
4. Differentiate between the following according to the criterion given in brackets: [5]
- Striated and Cardiac muscle (Function)
 - Ribosome and Lysosome (Function)
 - Pedicel and Bract (Definition)
 - Inflorescence and Placentation (Definition)
 - Bone and Cartilage (Presence of blood vessels)
5. Draw a neat and well labelled diagram of an animal cell. Mention the functions of mitochondria and centriole. [5]
6. Who am I? [Technical terms only] [5]
- Contains cell sap.
 - Specialized tissues which store fat.
 - Perianth which is green in colour.
 - Groups of nectar secreting cells.
 - Stamens united in two groups by their filament.
7. Observe the diagram given below and answer the following questions: [5]



- Identify the tissue "A".
- Mention the structural features of the tissue "A".
- Mention one important location and function of the tissue "A".
- Name the muscle which is found in the arms and legs of our body.

8. Observe the diagram given below and answer the following questions:

[5]



- i. Label the parts 1, 2, 3 and 4.
- ii. Why are parts '4' and '7' known as non-essential whorls of a flower?
- iii. Mention the function of the parts labelled as "2" and "6".