# EDOS – Educational Operating System

## SUMMATIVE ASSESSMENT - I (MODEL PAPER)

(For Integrated Plus/ Foundation / Foundation Plus / Advanced / Advanced Plus Program)

(MODEL PAPER FOR SCIENCE / PHYSICS / CHEMISTRY / P.S / BIOLOGY)

**CLASS: VI / VII / VIII / IX** **MARKS:40**

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## PART - A

### SECTION - I **7 x 1 = 7M**

**Note:**

**i) Answer any SEVEN questions.**

**ii) Each question carries 1 mark.**

1. What is autotrophic nutrition?
2. Give two examples of living and non-living things which you see in you surroundings?
3. Who proposed Cell theory?
4. What is histology?
5. What is water conducting tissues in plants?
6. What is the common name of wood?
7. what type of epithelial cells are responsible for absorbing the digested food materials in intestine?
8. What is bone forming cells called?
9. What is the PH of blood?

### SECTION - II **6 x 2 = 12M**

**Note:**

**i) Answer any SIX questions.**

**ii) Each question carries 2 marks.**

1. What are common features of living and non-living things?
2. Why plants are called Autotrophs?
3. What would happen if plasma membrane ruptures?
4. What is the full form of DNA? Which part of nucleus is the genetic transmitter?
5. What will happen if apical meristem is damaged or cut?
6. What are the simple tissues?
7. Which tissue forms inner lining of our month?
8. What are main components of blood? Study of blood is called?

### SECTION – III **4 x 4 = 16M**

**Note:**

**i) Answer any FOUR questions.**

**ii) Each question carries 4 marks.**

**iii)There is an internal choice given for every question.**

1. a) Differentiate between autotrophs and heterotrophs?

(or)

b) Compare the modes of reproduction in plants and animals

2. a) What will happen if

(i) Excess amount of fertilizer is added to a green lawn ?
(ii) Salt is added to cut pieces of raw mango.

(or)

b) Explain about Nucleus

3. a) Explain about mitochondria

(or)

b) Explain about chloroplast

4. a) Name the plant tissue which shows the following tissues ?
   i. Made up of living cells showing thickening provide mechanical support to the plant.
   ii. Made up of dead cells showing thickening provide mechanical support to the plants, are made of one type of cells.
   iii. Made up of living cells containing green coloured chloroplasts, possesses intercellular spaces.

(or)

b) A tissue present in the plant "A" located inside the vascular bundles and helps in the conduction of water and minerals. Tissue B present on the outer most part of the plant organs or parts which is having structure C which helps in exchange of gases.
   (i) Name the tissue A (ii) Name the tissue B (iii) Name the C

5. a) Explain characteristic features of epithelial tissues

(or)

b) Explain functions of epithelial tissues

6. a) What will happen if,
   i. Ligament gets over stretched.
   ii. Heparin is absent in blood.
   iii. Striated muscles contract rapidly for longer duration.

(or)

b) Name the following:
   i) Tissue that connects muscle to bone in humans
   ii) Tissue that stores fat in out body.
   iii) Connective tissue with a fluid matrix.
   iv) Tissue present in the brain.

## PART - B

**Multiple Choice Questions** **5 X 1 = 5M**

1. Parenchyma is a
   A) Simple tissue B) Ground tissue C) Lining tissue D) All of these
2. Cell wall is present in
   A) Plant cell B) Prokaryotic cell C) algal cell D) all of these
3. Chromosomes are made up of
   A) DNA B) Protein C) DNA and Protein D) RNA
4. An example of fungi
   A) Yeast B) Amoeba C) Plasmodium D) Bacteria
5. During photosynthesis, plants takes in
   A) $O_2$ B) $CO_2$ C) $N_2$ D) None