

SET-A

MM: 70

1 MSQs

- ## Blanks

- 13) Sponge belong to phylum
- 14) Members of chlorophyceae are commonly known as
- 15) The ratio of volume of CO_2 evolved to volume of O_2 consumed in

respiration is called

16) The longest cell in the human body is known as

True / False

17) AV node is called the pacemaker of our heart.

18) Excretion in earthworm takes place through Nephridia

19) Light Reactions in plants utilizes ATP & NADH

20) The end product of krebs cycle is pyruvic acid

SECTION B (QUESTIONS CARRYING TWO MARKS EACH)

✓2 Why are living organisms classified?

✓3 What are viruses? How do they differ from viroids?

Or

Differentiate between direct and Indirect development in animals.

✓4 Draw a labelled diagram of structure of a flower

Or

Write a short note on Morphology of frog.

✓5 What is peptide bond? How is it formed?

6 State Blackman's law of limiting factors?

7 Give functions of cytokinins (any four)

✓8 Define i) tidal volume ii) vital capacity

✓9 Draw the structure of a Neuron

10 Name hormones secreted by thyroid gland and write functions of these hormones.

11 Differentiate between monocot stem and dicot stem

SECTION C (QUESTIONS CARRYING 3 MARKS EACH)

✓12 Draw and explain the structure of a bacteria.

Or

Draw and describe the life cycle of a bryophyte

✓13 Draw the structure of an animal cell.

✓14 Differentiate between cyclic and noncyclic photophosphorylation

15 Draw and explain the structure of a nephron.

Or

Explain the structure of a sarcomere.

✓16 Write functions of (i) Ribosome ii) Mitochondria

Section D (Questions carrying 5 marks each)

✓17 Draw a well labelled diagram of human heart.

Or

Draw & Explain the structure of human brain

✓18 Diagrammatically explain the process of glycolysis

Or

Draw & explain the steps of calvin cycle

19 Explain the process of mitosis along with diagrams

Or

✓a) Differentiate between prokaryotic cell and eukaryotic cell

✓b) Give types of chromosomes on the basis of position of centromere