



P.V.G.'s
Mukhtangan English School & Jr. College,
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Terminal Examination (2025-26)
Standard - XI

Subject : Biology

Marks : 50

Date : 08.10.2025

Time : 8.30 am to 11.00 am

- Note:
- 1) All sections (A, B, C, D) are compulsory.
 - 2) Figures to the right indicate full marks.
 - 3) Draw neat, labelled diagrams wherever necessary.

Section -A

Q.1 Select and re-write the most appropriate answer from the given alternatives from each sub-question (8)

- 1) _____ is a source of food for human beings.
 - a) Riccia
 - b) Sphagnum
 - c) Nephrolepis
 - d) Chlorella
- 2) _____ is an example of Simple lipid.
 - a) Wax
 - b) Cholestrol
 - c) Progesterone
 - d) Cerebrosides
- 3) How many chromatids are present in Anaphase - I of Meiosis-I of a diploid cell having 20 chromosomes?
 - a) 4
 - b) 6
 - c) 20
 - d) 40
- 4) Floridean Starch is found in _____.
 - a) Chlorophyceae
 - b) Phaeophyceae
 - c) Rhodophyceae
 - d) Anthocerotae
- 5) Cell wall of plant cell contains _____.
 - a) Galactans
 - b) Pectin
 - c) Chitin
 - d) Mannans

- 6) _____ belongs to Bryophyta.
- | | |
|--------------|---------------|
| a) Laminaria | b) Gelidium |
| c) Sargassum | d) Marchantia |
- 7) Eukaryotic 80S Ribosomes have _____ sub-units.
- | | |
|--------------|--------------|
| a) 60S & 40S | b) 60S & 50S |
| c) 40S & 40S | d) 50S & 30S |
- 8) _____ is the first stage of Prophase I.
- | | |
|---------------|--------------|
| a) Pachytene | b) Leptotene |
| c) Diakinesis | d) Zygotene |

Q.2 Answer in one sentence.

(8)

- 1) Define- "Totipotency"
- 2) What is alteration of generations?
- 3) Name the stage between 2 successive mitotic divisions.
- 4) What is a codon?
- 5) Name the bond formed between two Monosaccharides.
- 6) What is the function of Mesosomes?
- 7) What are Homologous Chromosomes?
- 8) Define - "Phanerogams"

SECTION-B

Answer the following. (Any six)

(12)

Q.3 Write a note on Lichens

Q.4 Give example of -

- (i) Unsaturated Fatty acid
- (ii) Tertiary Protein

Q.5 Write a note on -

- (i) Secondary Lysosome
- (ii) Autophagic vesicles

Q.6 Match the pairs-

A	B
(i) Milk sugar	a) sucrose
(ii) Fruit sugar	b) Lactose
(iii) Malt sugar	c) Fructose
(iv) Cane sugar	d) Maltose

Q.7 Sketch and label - "Metaphase"

Q.8 Define -

- (i) Tetrad
- (ii) Crossing over

Q.9 Write a note on Mitochondria

SECTION -C

Answer the following. (Any six)

(18)

Q.10 Give one example of plants from-

- (i) Phaeophyceae
- (ii) Chlorophyceae
- (iii) Anthocerotae

Q.11 Give the function of

- (i) SER
- (ii) RER

Q.12 Draw a neat labelled diagram of "Funaria"

Q.13 Give example of each-

- (i) Disacchoride
- (ii) Co-enzyme
- (iii) Initiation-codon

Q.14 Draw the “Ultrastrusture of Nucleus.”

Q.15 Draw and describe the structure of t-RNA.

Q.16 Write a note on Interphase.

SECTION-D

Answer in detail (Any One)

(4)

Q.17 Explain any 4 properties of enzymes.

Q.18 Describe the Fluid Mosaic model of plasma membrane in Eukaryotic cell.

