



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

Subject : Biology

Marks : 50

Date : 13.10.2025

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 rewrite the most appropriate answer from the given alternatives from each sub-question. (7)

- 1) The ovule in Angiosperms is technically equivalent to _____.
 - a) Megasporangium
 - b) Megasporophyll
 - c) Megaspore mother cell
 - d) Megaspore
- 2) Maturation of sperms takes place in _____.
 - a) Urethra
 - b) Epididymis
 - c) Seminiferous tubules
 - d) Rete testis
- 3) Coconut water is an example of _____.
 - a) Free Nuclear Pro-embryo
 - b) Cellular Endosperm
 - c) Free Nuclear Endosperm
 - d) Helobial Endosperm
- 4) The genotype of Turner's Syndrome is _____.
 - a) 44 + XY
 - b) 44 + XXY
 - c) 44 + XXX
 - d) 44 + XO

- Q.2 Answer in one sentence (7)**

- ## Section B

Q.3 Distinguish between Anemophily and Endomophily.

Q.5 Write a note on “Mutation Theory”

Q.6 Describe the structure of Graffian Follicle.

Q.7 Distinguish between Oogenesis and Spermatogenesis in human being.

Q.8 Explain the sex determination in birds.

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- Q.10** Sketch and label “structure of Dicot stomata”
- Q.11** Give the physiological effects of Ethylene.
- Q.12** Distinguish between Artery and Vein.
- Q.13** What are long day plants(LDP)? Give 2 examples.

Section C

Answer the following. (Any four)

(12)

- Q.14** Sketch and label “T.S.of Anther”
- Q.15** Write a note on “Industrial Melanism”
- Q.16** Sketch and label “Replication fork of DNA”
- Q.17** Explain the role of structural genes in “Lac Operon”
- Q.18** Describe the structure of “Root Hair”
- Q.19** Explain “Blood Clotting” in Humans

Section D

Answer in detail. (Any two)

(8)

- Q.20** Explain the process by which zygote divides and redivides to form Morula.
- Q.21** Describe the process of Translation in Protein synthesis.
- Q.22** Sketch and label “Internal structure of Heart”
- Q.23** Explain the “Law of Independent Assortment” with a suitable example.



