

VCD - 260915 - BOTANY-I F.Y.B.Sc. SEM II 75 MARKS 2 1/2 HRS

NOTE: 1. All questions are compulsory.
2. Figures to right indicate marks.
3. Draw labelled diagrams wherever necessary.

Q I Answer the following (Any Two) (20)

- 1) Describe the types of stele.
- 2) Explain in detail the sexual reproduction of *Nephrolepis*.
- 3) Give the general characters of Pteridophyta.
- 4) Explain the alternation of generation of *Nephrolepis*.

Q II Answer the following (Any Two) (20)

- 1) Write a brief note on economic importance of Gymnosperms.
- 2) Explain T.S. of young root of *Cycas*.
- 3) Write a note on T.S. of *Cycas* leaf.
- 4) Write a note on external morphology of *Cycas*.

Q III Answer the following (Any Two) (20)

- 1) Describe the different types of leaf venation.
- 2) What is inflorescence? Describe different types of inflorescence.
- 3) Give systematic position, distinguishing characters floral formula and two plants of economic importance of family Malvaceae.
- 4) Write a note on different types of leaves.

Q IV Write short notes on (Any Three) (15)

- 1) Hydathode.
- 2) Ramenta.
- 3) Systematic position of *Cycas*.
- 4) Development of male gametophyte of *Cycas*.
- 5) Morphology of leaf.
- 6) Types of stipules.

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