

VCD - 06/05/2015 BOTANY-IIF.Y.B.Sc. SEM II 75 MARKS 2 1/2 HRS 200

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

Q I Answer the following (Any Two)

(20)

- 1) Explain the primary structure of Monocot leaf.
- 2) Write a brief note on Permanent tissue.
- 3) Give an account of types of stomata and Scales.
- 4) Explain the primary structure of Dicotyledonous stem.

Q II Answer the following (Any Two)

(20)

- 1) Describe types of secondary metabolites? Write difference between primary and Secondary metabolites.
- 2) Give Botanical Name, Active constituents and medicinal uses of following plants.
i) *Isosanth* ii) *Aloe*
- 3) Write a note on *Adulsa* and *Turmeric*.
- 4) Write a note on *Sandal wood*.

Q III Answer the following (Any Two)

(20)

- 1) Explain Dark reaction in brief.
- 2) Add a note on Crassilucian Acid metabolism.
- 3) Give a details account on HSK pathway.
- 4) Explain in detail non- cyclic photophosphorylation.

Q IV Write short notes on (Any Three)

(15)

- 1) Types of Xylem on the basis of Position.
- 2) Multicellular hair.
- 3) Medicinal Botany
- 4) Primary metabolites.
- 5) Give difference between Dark Reaction and Light reaction.
- 6) Kranz anatomy