

VCD-130315 - BOTANY-III.F.Y.B.Sc. SEM II

75 MARKS

- 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) Give a detailed account of simple permanent tissues.
- 2) Write a brief note on Phloem.
- 3) Give an account of types of stomata studied by you.
- 4) Explain the primary structure of Dicotyledonous Root.

Q II Answer the following (Any Two)

(20)

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

Q III Answer the following (Any Two)

(20)

- 1) Explain Dark reaction in brief.
- 2) Explain CAM cycle.
- 3) Give a details account on HSK pathway.
- 4) What is light reaction?

Q IV Write short notes on (Any Three)

(15)

- 1) Hill's Reaction
- 2) Difference between PS-I and PS-II.
- 3) Types of Secondary metabolites.
- 4) Medicinal uses of *Adulsa*.
- 5) Function of Epidermis.
- 6) Unicellular Hair.