

V.P. & R.P.T.P. SCIENCE COLLEGE
Internal Theory Examination
SEMESTER-IV
Elective Botany-US04EBOT01

Date-15/03/16
Day-Tuesday

Marks-25
Time-3.00 p.m.-4.00p.m.

N.B. Draw neat and labeled diagrams wherever necessary.

Q-1 Multiple Choice Questions. (03)

- (I) Collenchyma cells are characterized by the presence of:
(a) lignified wall (b) uniform thickening (c) uneven thickening (d) all the above
- (II) Many vegetable yielding and pulse yielding plants belong to the family:
(a) Rubiaceae (b) Leguminosae (c) Lamiaceae (d) Myrtaceae
- (III) What is the action spectrum of transpiration?
(a) Green & Ultra violet (b) Orange & red (c) Blue & far red (d) Blue & red

Q-2 Answer in short (any two). (04)

- (I) Write any two important characteristics of a simple plant tissue lacking living protoplast.
- (II) Describe the botanical terms (a) Corolla of papilionaceae
(b) Androecium of Brassicaceae
- (III) Differentiate between transpiration and guttation.

Q-3 Describe the important tracheary elements found in angiospermic plant body. (06)

OR

Q-3 Write the characteristics and functions of parenchyma. (06)

Q-4 Describe the main floral characters of the families Lamiaceae and Rubiaceae. (06)

OR

Q-4 Explain the characteristics of the family "Myrtaceae" in semitechnical language. (06)

Q-5 Describe the various methods employed for breaking dormancy of seeds. (06)

OR

Q-5 Write notes on: (a) Short day and long day plants. (03)

(b) Effect of light on photosynthesis. (03)

