

V P and R P T P Science College  
Internal test in BOTANY  
Course No. US04EBOT01

Day: Wednesday  
Time: 3.00 -4.00 pm.

Date: 18.03.2018  
Marks:25

Q.1. Attempt all.

03

- (i) Mature sieve tube members are usually?  
(a) Nucleated (b) enucleated  
(c) Both (d) None
- (ii) Vexillary conditions are met in the family?  
(a) Caesalpinaceae (b) Papilionaceae  
(c) Verbenaceae (d) All of these
- (iii) Guard cells have a positive role in?  
(a) Transpiration (b) Respiration  
(c)Photosynthesis (d) Guttation



Q.2. Short answer questions. Attempt any two.

04

- (i) Write the characteristics of fibers.  
(ii) Aestivation in Mimosaceae.  
(iii) Structure of guard cells in dicotyledons.

Q.3. Describe the structure of parenchyma.

06

OR

Q.3. Describe the structure of primary meristem.

06

Q.4. Describe the characters of the family Rubiaceae.

06

OR

Q.4. Write short notes on:

- (a) Verticillaster (b) Economic importance of Brassicaceae 06

Q.5. Define transpiration and explain one mechanism of  
Opening and closing of stomata.

06

OR

Q.5. Write short notes on:

- (a) Guttation (b) Nitrogen for plants. 06