

Extra

V.P. & R.P.T.P. SCIENCE COLLEGE

B. Sc. (Sem-5) Examination

Subject: BOTANY

Paper: US05CBOT06 (PLANT PHYSIOLOGY)



Date: 10/10/2019 (Thursday)

Max. Marks: 25

Time: 11-00 A.M. to 12-15 P.M.

**Q1. Choose an appropriate answer for the following multiple choice questions: (5x1=05)**

- (i) \_\_\_\_\_ is used on seedless grape variety to increase the size and quality of fruit.  
(a) GA                      (b) Auxin                      (c) Cytokinins                      (d) None of these
- (ii) Who suggested the term 'photoperiodism'.  
(a) Garner & Allard                      (b) Hammer                      (c) Bonner                      (d) All of these
- (iii) Stress caused by pathogen called:  
(a) Biotic                      (b) Abiotic                      (c) Osmotic                      (d) None of these
- (iv) Phytochronology concerned with the study of-  
(a) Senescence                      (b) Vernalization                      (c) Dormancy                      (d) None of these
- (v) Which one of the following is known to accelerate fruit ripening?  
(a) GA                      (b) Auxin                      (c) Ethylene                      (d) Cytokinin

Q2. Write a note on Auxins. (05)

OR

Q2. Discuss: (b) Role of GA in dormancy (05)

Q3. Write in detail about Phytochrome. (05)

OR

Q3 Distinguish between SDP, LDP and DNP. (05)

Q4. How plants get adapted to stress? (05)

OR

Q4. Discuss: How plants respond to stress? (05)

Q5 Differentiate between aging and senescence (05)

OR

Q5. Write in brief about physiological changes during senescence. (05)

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