

V P and R P T P Science college
Internal examination in Botany
Code: US05CBOT 02

Day: Monday
Time: 10-12 O' Clock

Date: 01.10.2018
Marks: 50

Q.1. Multiple choice questions.

08



- (i) Wood rays are absent in?
(a) Primary xylem (b) Secondary wood
(c) Secondary phloem (d) All of these
- (ii) Crystal of calcium carbonate are called as?
(a) Raphides (b) Cystolith (c) Lithocyst (d) None
- (iii) Deposition of definitive callose on the sieve plates is a sign that?
(a) cell is going to die (b) Cell will be reactivated
(c) cell will regenerate (d) None
- (iv) Which protects the plant from wetting?
(a) Epidermis (b) Rhizodermis (c) Cuticle (d) Trichomes
- (v) Who is a famous plant embryologist from India?
(a) Maheshwari P. (b) Parthasarthy V. (c) Roy R.P. (d) Esau K.
- (vi) Which one is the source of carbon in a culture medium?
(a) IAA (b) Agar (c) Twin 80 (d) Sucrose
- (vii) Which is a false fruit?
(a) Mango (b) Apple (c) Cherry (d) Banana
- (viii) The seeds of Moringa are dispersed by?
(a) animal (b) water (c) Insects (d) Wind

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

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- (i) Define incompatibility.
(ii) What is embryo rescue?
(iii) Write the importance of pollen viability in fertilization.
(iv) Write the applications of induced Parthenocarpy.
(v) Describe xylem in the stem of Hydrilla.
(vi) What is sunken stomata?
(vii) What is apical cell theory?
(viii) Write the concept of histogen theory.

- Q.3, Describe secondary growth in Dicot. Root. 08
OR
Q.3. Give an account of ergastic materials in plants. 08
- Q.4. Describe seasonal development of phloem. 08
OR
Q.4. Write short notes on : (a) Cuticle (b) Halophytes 08
- Q.5. Describe the method of embryo culture. 08
OR
Q.5. Write about: 08
 (a) Yasuda experiment
 (b) Emasculation
- Q.6. Describe dispersal of fruits. 08
OR
Q.6. Describe dispersal of seeds. 08

