

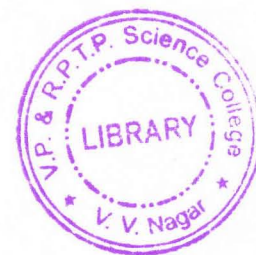
V.P.and R.P.T.P.Science college
BOTANY , US05 CBOT02
Time: 3.30 -5 pm

T.Y.B.Sc. Examination
Tuesday/01.10.2013
Marks: 30

Q.1. Answer all questions.

06

- (i) Cuticle is very thin or either absent in
 - (a) Submerged hydrophytes (b) Emergent hydrophytes
 - (c) Xerophytes (d) Epiphytes.
- (ii) Salt glands are present in
 - (a) Tamarind (b) Tamarix (c) Casuarina (d) None
- (iii) Who among the following is a plant embryologist?
 - (a) Kashyap (b) Sahnii (c) Iyenger (d) Maheshwari
- (iv) The most important factor in pollen storage is?
 - (a) Temperature (b) Humidity (c) Both (a) and (b) (d) PH
- (v) The events leading to fertilization are initiated at.
 - (a) Stigma (b) Anther (c) Style (d) Ovary
- (vi) The exudates present at the stigma surface are viscous due to the presence of
 - (a) Muco-polysaccharides (b) Proteins (c) Lipids (d) Callose



Q.2. Short answer questions. Answer any three.

06

- (i) What are the functions of cuticle?
- (ii) How will you identify a dormant cambium?
- (iii) Explain parthenogenesis.
- (iv) What are adventives embryos?
- (v) Explain in brief the sensor mechanism of seed dispersal.
- (vi) Explain anemochory giving examples.

Q.3. Describe anatomical adaptations in hydrophytes.

06

OR

Q.3. Describe the anatomical adaptations in xerophytes.

06

Q.4. Name any two Indian plant embryologist, and show your acquaintance with

Any one.

06

OR

Q.4. What are adventives embryos? Discuss their role in horticulture.

06

Q.5. Describe the structure of the fruit wall of a hesperidium and a drupe.

06

OR

Q.5. What is zoochory? What special adaptations are found in the fruit and seeds
Dependent on animals for their dispersal.

06

.....XXXXXXXXXXXXXXXXXXXX.....