

P. S. SCIENCE & H. D. PATEL ARTS COLLEGE, KADI

Internal Examination

B. Sc. Semester - IV

[Mark : 40]

22-3-2016]

Botany : CC-BOT-222

[1-30 to 3-00]

- Instructions :** (1) All questions are compulsory.
(2) Equal marks of each question.
(3) Figures to the right indicate marks of question.
(4) write answers with labelled diagram.

1. [A] Attempt any two questions from given questions. 8
(1) Describe : Double fertilization.
(2) Describe : Microsporogenesis.
(3) Describe : crucifer type (dicot) embryo development.
- [B] Answer any two questions. 4
(1) Functions of Tapetum.
(2) Cellular and Helobial endosperm.
(3) Polygonum types of embryosac.
2. [A] Attempt any two questions from given questions. 8
(1) Give classification with examples of lipids.
(2) Write the properties of Polysaccharides.
(3) Describe : Protein structure (any two)
- [B] Attempt any two questions from given questions. 4
(1) write note on peptide bond.
(2) Structure and function of wax.
(3) significance of Carbohydrates.

3. [A] Attempt any two questions from given questions. 8

- (1) Internal factors affecting on absorption of water.
- (2) Explain : Modern concept of stomatal mechanism of opening and closing.
- (3) Explain : any two theories for "Ascent of sap"

[B] Attempt any two questions from given questions. 4

- (1) write on cuticular transpiration.
- (2) Describe : Path of absorbed water.
- (3) Explain : significance of transpiration.

4. Give answer ad directed of following questions. 4

- (1) _____ layers in anther wall.
 - (2) Orthotropous ovule is observed in _____ plant.
 - (3) Glucoheptose have _____ carbon atoms.
 - (4) Butter is example of _____.
 - (5) Relay Pump theory proposed by _____.
 - (6) For stomatal opening and closing _____ hypothesis.
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