

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

**Internal Examination**

**B. Sc. Semester - IV**

**[Mark : 40**

**21-3-2016]**

**Botany : CC-BOT-221**

**[1-30 to 3-00**

**Instructions :** (1) Figures to the right indicate marks of sub question.  
(2) Illustrate your answers with neat and labelled diagram if required.

1. [A] Give the long answer of following any two question. 8
- (1) Mention the general characters of angiosperms.
  - (2) Describe : Differentiate in inflorescence of sunflower and maize.
  - (3) Describe : Gametophyte stage in sunflower.
- [B] Give the answers of following any two questions. 4
- (1) verticillaster inflorescence.
  - (2) fleshy fruit.
  - (3) Embryo development in Maize.
2. [A] Give the long answer of following any two question. 8
- (1) Give the common characters, floral formula, floral diagram and botanical name of Shivjata.
  - (2) Give distinguishing characters, floral formula, floral diagram and classification of euphorbiaceae.
  - (3) Give the outline of classification of family which you studied (with examples.)
- [B] Give the answers of following any two questions. 4
- (1) Give the characters of curvembrye.
  - (2) Give the family and botanical name of "Paras Piplo" and "Mindhal".
  - (3) Mention floral diagram and floral formula of family :  
Nyctaginaceae.

3. [A] Give the long answer of following any two question. 8

(1) Describe anomalous secondary growth in Tinospora aerial root.

(2) Explain : structure and mechanical function of sclerenchyma.

(3) Write short note : Korper - Kappe and Tunica - Corpus theory.

[B] Give the answers of following any two questions. 4

(1) Give the characters of Meristanmatic tissue.

(2) Arrangement of mechanical tissues in maize prop root.

(3) Structure of phloem.

4. Give answer ad directed of following question. 4

(1) In holoptelia \_\_\_\_\_ type of fruit is present.

(2) In morus \_\_\_\_\_ type fruit is present.

(3) "Phloem wedges in the xylem" is characteristic of \_\_\_\_\_.

(4) Squar stem is observed in \_\_\_\_\_.

(5) schizocarp, regma fruits is character of \_\_\_\_\_ family.

(6) Botanical name of "saptaparni" is \_\_\_\_\_.

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