

**C.U.SHAH UNIVERSITY**

WADHWAN CITY

University (Winter) Examination -2013

Course Name :BSc- Semester-I

Subject Name: Botany-I

Duration :- 2:30 Hour

Date : 2/12/2013

**Instructions:-**

- (1) Attempt all Questions of both sections in same answer book / Supplementary.
- (2) Use of Programmable calculator & any other electronic instrument is prohibited.
- (3) Instructions written on main answer Book are strictly to be obeyed.
- (4) Draw neat diagrams & figures (If necessary) at right places.
- (5) Assume suitable & Perfect data if needed.

**SECTION -I****Q.1 Give the short answer of following Questions (Each Question indicate 1 Mark) 7**

1. Which are the two main types of root?
2. Define : Petiolar Leaf
3. Define : Leaf Apex
4. Why Ginkoes are related to conifers?
5. What is Perianth?
6. Who Proposed the Five kingdom classification system?
7. What is Bract?

Q.2 A. Write Brief Note on Merit and Demerit of Bentham and Hooker Classification system. 5

Q-2 B. Explain the Four types of Special Inflorescence. 5

Q-2 C. Define the terms : Phyllotaxy of Leaf, Variation , Stipules and Petiol. 4

Q.2 A. Give Brief note Palmetly Compound Leaf. 5

Q-2 B. Draw the labeled chart of seven kingdom classification system. 5

Q-2 C. Explain the parts of Androecium. 4

Q.3 A. What is Placentation? Give Brief note on Parietal, Basal, Axile and Marginal types of Placentation. 7

Q-3B. What is Herbarium? Explain Collection and selection of plant Specimens . 7

**OR**

Q.3A. What is Leaf margin? Explain Any 6 types of margin with diagram. 7

Q-3B. Give Brief note on Modification of Root based on storage of food .

**SECTION-II****Q.4 Give short answer of following Question. 7**

1. Write the full form of PQ and Cyt-c. 1
2. What is Stomata? 1
3. Give the another term for the C3 pathway. 1
4. What is stele? 1
5. Any 2 uses of fiber which are obtaining from plant. 1
6. Define – drug 1
7. Give the common name of Lawsonia Inermis. 1



Q.5 A. What is Vascular Bundle? Give the brief note on its type. 5

Q-5 B. Explain Family : Boraginaceae 5

Q-5C. Write any four names of plant pigment used as photosynthetic pigment. 4

**OR**

Q.5 A. Write note on Plants as natural resources and its uses. 5

Q-5B. Explain family: Asclepediaceae 5

Q-5C. Give note on Non glandular trichomes. 4

Q.6 A. Significance of C4 pathway. 7

Q-6B. Explain : Ergastic matter 7

**OR**

Q.6 A. Explain the mechanism of Photorespiration. 7

Q.6 B. Explain the medicinal property and uses of plants. 7

