

C.U.SHAH UNIVERSITY

Wadhwan City

Subject Code : 4LS01BOT1

Summer Examination-2014

Date: 3/06/2014

Subject Name:- Plant Morphology and Anatomy

Branch/Semester:-B.Sc(Micro) /1

Time:10:30 To 1:30

Examination: Remedial

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. Define following.** 7

1. Leaf Margin 2. Nucleus 3. Stomata 4. Vascular Bundle 5. Phloem
6. Flower 7. Permanent tissue

Q.2. Answer the following.

- A) Differentiate Monocot Stem and Dicot stem 4
- B) Draw and explain Stomata with diagram 5
- C) Draw and explain monocot leaf with diagram 5

OR**Q.2. Answer the following.**

- A) Write a short note on Placentation 4
- B) Enumerate different types of venation 5
- C) Explain Floral formula and draw floral diagram of Umbelliferae family 5

Q.3. Answer the following.

- A) Discuss the different type's vascular arrangements. 7
- B) Explain different types of Corolla. 7

OR**Q.3. Answer the following.**

- A) Write a short note on Aestivation. 7
- B) Explain Anatomy of dicot root with diagram 7

SECTION II**Q.4. Define following** 7

1. Petiole 2. Stem 3. Tissue 4. Apex 5. Floral formula 6. Style
7. Xylem.

Q.5. A) Differentiate monocot root and dicot root 4

B) Write a short note on Gynoecium 5

C) Draw and explain dicot leaf with diagram 5

OR

Q.5. A) Explain mitochondria in detail. 4

B) Write short note on family Leguminosae 5

C) Draw a neat and clean diagram of plant cell 5

Q.6. A) Write short note on Note on phyllotaxy in detail 7

B) Explain Perianth 7

OR

Q.6. A) Explain Ground tissue system 7

B) Classify permanent tissue 7

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