

Exam Seat No: _____

Enrollment No: _____

C.U.SHAH UNIVERSITY
Wadhwan City

Subject Code : **4SC02BOC1**

Summer Examination-2014

Date: 26/05/2014

Subject Name: **Botany-II**


Branch/Semester:- **B.Sc(Pure Science)/II**
Examination: **Regular**

Time:02:00 To 5:00

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 – 1

- Q.1 Write the answers of the following short questions. 07**
1. What is Fragmentation ? 01
 2. Define : Thermophytes 01
 3. Which is largest algae of world? 01
 4. What is archeogonium? 01
 5. What is antheridium? 01
 6. Define : Sclerids 01
 7. Give Name of secretory tissue 01
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- Q.2 Write the Answers in brief. 14**
- A) What is heterocyst? Write note on germination of Rivularia by Heterocyst. 05
 - B) Write note on Leaf fall. 05
 - C) General characters of bryophytes 04
- OR**
- Q.2 Write the Answers in brief. 14**
- A) Discuss Stellar Evolution in Pteridophytes. 05
 - B) Write Note on reproduction of Pellia. 05
 - C) Draw labeled diagram of Root stem Transition . 04
- Q.3 Write the Answers in brief . 14**
- A) Write note on Sexual Reproduction in Phytophthora. 07
 - B) Discuss the economic importance of Fungi as food and medicine. 07
- OR**
- Q.3 Write the Answers in brief. 14**
- A) What is Mechanical Tissue? Write its two principle. 07
 - B) Discuss the economic importance of algae. 07



SECTION-II

- Q.4 Write the answers of the following short questions. 07**
1. Define : acrocentric, metacentric chromosome 01
 2. Draw thw Structure of Daniellie Davison Model of Plasma membrane. 01
 3. What is Nucleotide? 01
 4. What is tamplate in DNA replication ? 01
 5. Draw the Structure of tyrosine and cysteine. 01
 6. Give an example of Polar amino acid . 01
 7. What is cytokinesis? 01

- Q.5 Write the Answers in brief. 14**
- A) Write Note on Lamp brush chromosome. 05
 - B) What is code? Draw the chart of DNA and RNA codon. 05
 - C) Write note on Aromatic aminoacic and Imino group containing Aminoacis 04

OR

- Q.5 Write the Answers in brief. 14**
- A) What is DNA? Explain the structure of DNA. 05
 - B) Write note on protein and structure based on its type. 05
 - C) Explain the types of RNA 04

- Q.6 Write the Answers in brief. 14**
- A) Explain the structure of Plytene chromosome. 07
 - B) Write note on inter phase. 07

OR

- Q.6 Write the Answers in brief. 14**
- A) Write note on Nitrogen fixation. 07
 - B) Write note on Protein synthesis . 07

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