

Enrollment No:- _____

Exam Seat No:- _____

C.U.SHAH UNIVERSITY

Summer-2015

Subject Code: 4SC02BOC1 **Subject Name: Botany-II**

Course Name: B.Sc. (Chemistry)

Semester:II

Date: 18/5/2015

Marks:70

Time:10:30 TO 01:30

Instructions:

- 1) Attempt all Questions in same answer book/Supplementary.
- 2) Use of Programmable calculator & any other electronic instrument 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.

Q-1 Define the following

- (a) Explain about genetic code. (7)
- (b) Differentiate DNA with RNA. (7)

Attempt any four from Q-2 to Q-8.

Q-2(a) Explain the life history of Rivularia. (7)

Q-2(b) Explain Watson & Crick model of DNA. (7)

Q-3(a) Explain reproduction of Equisetum. (7)

Q-3(b) Classify different types of RNA. (7)

Q-4 (a) Describe the fluid mosaic model. (7)

Q-4 (b) Explain the structure of chromosome. (7)

Q-5(a) Classify amino acids with examples. (7)

Q-5(b) Describe mitosis. (7)

Q-6(a) Write short notes on root microbe interactions. (7)

Q-6(b) Differentiate between mitosis with meiosis. (7)

Q-7(a) Classify proteins on the basis of structure. (7)

Q-7(b) Describe the life history of Phytophthora. (7)

Q-8(a) Explain the structure of RNA. (7)

Q-8(b) Describe the process of nitrogen fixation. (7)

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