

Enrollment No: _____

Exam Seat No: _____

C. U. SHAH UNIVERSITY

Winter Examination-2022

Subject Name: Cell Biology

Subject Code: 4SC01CEB1

Branch: B.Sc. (Microbiology)

Semester: 1

Date: 04/01/2023

Time: 11:00 To 02:00

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 Attempt the following questions: (14)

- a) What is cell?
- b) Name the scientists found the Fluid mosaic model
- c) Give the functions of chloroplast.
- d) What is S unit in Ribosome?
- e) What is full form of cAMP.
- f) Define signaling molecules.
- g) Define autocrine signaling
- h) Define cancer
- i) Give the functions of Golgi apparatus.
- j) Define cell surface receptors
- k) Give the composition of plasma membrane
- l) Define Diffusion
- m) Define Pinocytosis
- n) Give the full form of SER and RER.

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

Q-2 Attempt all questions (14)

- A Give the difference between prokaryotic and eukaryotic cell. 07
- B Define nucleus with structure and functions. 07

Q-3 (14)

Give the name cell organelles with functions.

Q-4 Attempt all questions (14)

- A Give the short note on Co-translation translocation of proteins. 07
- B Write details note on cAMP pathway 07

Q-5 (14)

Write details note on protein transport in endoplasmic reticulum



