



Rollno

End Semester Examination, December 2024

B.Sc. (H) FS/Dual Degree B.Sc. - M.Sc. (Forensic Science) Integrated– 1st Semester

BASICS OF BIOLOGY (COURSE CODE: SCFS107)

Time: 2.5 hrs.

Max Marks: **50**

Note: *All Questions are compulsory. Marks are indicated against each question.*

PART-A

Q.1 Attempt any five questions:

- | | |
|--|-----------------------|
| (a) Define cell cycle | [CO-1][L-1] 2 |
| (b) Define M-Phase | [CO-1] [L-1] 2 |
| (c) Discuss role of Mitosis | [CO-1] [L-2] 2 |
| (d) Differentiate between Plant cell and Animal cell | [CO-1] [L-4] 2 |
| (e) Discuss about structure and composition of chloroplast | [CO-1] [L-2] 2 |
| (f) Describe Mitochondria | [CO-1] [L-2] 2 |
| (g) Discuss about morphology of leaves | [CO-1][L-2] |

2

2x5

PART-B

Q.2 Describe the organelles found in cells. [CO-2] [L-2] **10**

OR

Describe the composition and function of the lysosome, golgi body, and Endoplasmic reticulum.

[CO-2] [L2-] **10**

Q.3 Describe in detail about cell cycle. [CO-3] [L-2] **10**

OR

Differentiate between Mitosis and meiosis.

[CO-3] [L-4] **10**

Q.4 Explain in detail about Interphase [CO-4] [L-2] **10**

OR

Define cell cycle and discuss the meiotic phases in detail

[CO-4][L-2] **10**

Q.5 Discuss the morphological features of leaves. [CO-5][L-2] **10**

OR

Describe the morphology of roots in detail, highlighting the various types and their functions. [CO- 5] [L-2] **10**

