

# **ED-314**

M.Sc. 1st Semester Examination, March-April 2021

## **BOTANY**

Paper - I

Cytology

Time: Three Hours] [Maximum Marks: 80

Note: Answer all questions. All questions carry equal

marks.

# Unit-I

1. Write a note on cell wall.

#### OR

Write notes on any two of the following:

- (a) Ion carriers
- (b) Site for ATPase
- (c) Bilayer model of plasma membrane

#### **Unit-II**

Write a note on gene expression of chloroplast.

OR

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(Turn Over)

(2)

Write notes on any two of the following:

- (a) ATPases
- (b) Genome organisation of mitochondrion
- (c) RNA editing

#### **Unit-III**

3. Write a note on mitosis and meiosis.

OR

Write notes on any two of the following:

- (a) Structure of nuclear pore
- (b) Ribosome functional significance
- (c) Structure of nucleus

## Unit-IV

4. Write a note on in situ hybridization.

OR

Write notes on any two of the following:

- (a) Golgi apparatus
- (b) Electron microscope
- (c) Microbodies

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**540**