

M.Sc. (Final)
Term End Examination, 2017-18

Group - C (I)

Paper - III

Cell Biology and General
and Microbial Genetics

Time : Three Hours] [*Maximum Marks* : 100
[*Minimum Pass Marks* : 36

Note : Answer any **four** questions. All questions carry equal marks.

1. Write about the structure, biogenesis and functions of ribosomes.
2. Write a detailed note on the structure and functions of mitochondria.
3. Give an account on 'Cell cycle'.

277 BSP (2)

(Turn Over)

(2)

4. What is RNA ? Describe the structure and different kinds of RNA.
 5. Write short notes on the following :
 - (a) Endoplasmic reticulum
 - (b) Proteins
 6. Write an essay on 'Linkage Maps'.
 7. Write short notes on the following :
 - (a) Structural abnormalities of human chromosomes
 - (b) Bacteriophage T₄
 8. Explain bacterial transformation and transduction.
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