

No. of Printed Pages : 1

Sl. No.

21ZOO1C3L

M.Sc. I Semester Degree Examination, April/May - 2023

ZOOLOGY

**Paper No. : DSC1 : Molecular Cell Biology and Genetics
(CBCS)**

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with Question No. 1 (Q.1) compulsory. Each question carries **equal** marks.

1. Write a short note on the following :
 - (a) Scope of molecular biology 5
 - (b) Nucleic acids 5
 - (c) Synthetic biology 4
2. Discuss DNA sequencing and genetic engineering technology. 14
3. Give an account on Davson-Danielli model and fluid mosaic model with illustration. 14
4. Write an essay on multiple allelism. 14
5. Describe in brief about genetic basis of human disease. 14
6. Write a short note on the following :
 - (a) Prokaryotic transcription 5
 - (b) Phases of cell-cycle 5
 - (c) Eukaryotic post transcriptional processing 4
7. Write a short note on the following :
 - (a) Sex-linked inheritance 5
 - (b) Carbohydrate associated disorder 5
 - (c) Life-cycle of drosophila 4
8. Write a short note on the following :
 - (a) Replication of DNA 5
 - (b) Mendelian inheritance 5
 - (c) Cell junctions 4

- o O o -

