

W-3299(A)

M.Sc. (Fourth Semester) Examination, (Second Chance) June-2020

ZOOLOGY

Paper - 404-B

Chromosome Genes & Genetics of Development

Time : Three Hours

Maximum Marks : 85

Minimum Pass Marks : 29

Note : Attempt **all** questions.

Unit-I

Q.1. Describe organization and significance of heterochromatin and Repetitive DNA.

Unit-II

Q.2. Recombination in Bacteria : Transformation, Conjugation and Transduction.

Unit-III

Q.3. Explain Transcription factor : DNA binding domains and activation domains.

Unit-IV

Q.4. a) Describe Drosophilla development I cleavage.
b) Drosophila Chorion genes

Unit-V

Q.5. Describe basic idea of Organization of homeoboxes and evolutionary significance of homeoboxes.

