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Total No. of Questions : 5]		[Total No. of Printed Pages: 1
		Roll No.:

M.Sc. (Fourth Semester) Examination, 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. Discuss specialized chromosome. Explain structural organization and functional significance of Polytene chromosomes. 17

Unit-II

Q.2. Explain structural organization of Eukaryotic genes: interrupted genes and overlapping genes.

Unit-III

Q.3. Describe Organization of Eukaryotic transcriptional machinery: Promotor, Enhancer, RNA Polymerases; and activators. 17

Unit-IV

Q.4. Discuss genetic basis of thalasemias, muscular dystrophy and cystic fibrosis. 17

Unit-V

Q.5. Describe Drosophila development II origin of Dorsal and Ventral Polarity. 17

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