

Roll No.

Y – 3169

M.Sc. (Zoology) Fourth Semester EXAMINATION,

May/June-2021

Paper – 404-(B)

CHROMOSOME, GENES & GENETICS OF DEVELOPMENT

Time : Three Hours

Maximum Marks : 85

Minimum Pass Marks : 29

Note—Attempt *all* questions.

Unit-I

1. Describe the molecular organization of eukaryotic chromosome. 17

Unit-II

2. Describe the evolution, significance and organization of gene families. 17

Unit-III

3. Explain the eukaryotic transcription in detail. 17

Unit-IV

4. Explain the genetic basis of thalasemia and cystic fibrosis. 17

Unit-V

5. Explain the origin of the anterior and posterior polarity in the development of drosophila. 17

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