

Printing Page(s) : 1

Paper Code : DSC-208

Roll No.

--	--	--	--	--	--	--	--	--	--

B.Sc. (ZBC)-11
2nd Year Examination, Calendar Batch 2016
Zoology-IV (Cytogenetics and Molecular Biology)

Time : 3 Hours]

[Max. Marks : 100

*Note. Attempt any **Five** questions. All questions carry equal marks.*

- Q.1** Give an account of the structure and functions of Golgi Complex.
- Q.2** Define the process of RNA Transcription in eukaryotes.
- Q.3** What is Cell Theory? Describe the cell theory and explain the exceptions to cell theory.
- Q.4** Describe the mendel's law of segregation? Why it is called as purity of gametes? Interpret it in light of the chromosome theory of heredity.
- Q.5** What is Endoplasmic Reticulum? Describe the functions and types of endoplasmic Reticulum.
- Q.6** Describe the structure and function of nucleus and nucleolus.
- Q.7** Explain the structure of prokaryotic cell with labeled diagram.
- Q.8** What are the Giant Chromosomes? How does it differ from normal chromosomes? Mention their significance