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Paper Code : DSC-108

Roll No.

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B.Sc. (ZBC)-6
1st Year Examination, Calendar Batch 2017
Cell Biology and Genetics

Time : 3 Hours]

[Max. Marks : 100

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

- Q.1** What is cell cycle? Explain the process mitosis phase and prophase.
- Q.2** With the help of suitable diagram describe the mitosis?
- Q.3** Explain the structure and function of the cell nucleus?
- Q.4** What is interruption of genes? How is the dihybrid ratio of 9:3:3:1 can be modified in each of these reactions?
- Q.5** What is DNA? Explain the mechanism of DNA Replication.
- Q.6** Explain the chemical composition and functions of cell wall.
- Q.7** Define Golgi Complex? Explain the structure functions and chemical composition of golgi complex.
- Q.8** Describe the structure of chromosome. Differentiate between heterochromatin and euchromatin?