

Exam. Code : 107402
Subject Code : 1747

B.Sc. (Bio Technology) 2nd Semester

GENETICS

Paper : BTL-152

Time Allowed—2 Hours] [Maximum Marks—40

Note :— There are *eight* questions of equal marks.

Candidates are required to attempt any *four* questions.

1. Discuss the structure of prokaryotic chromosome.
2. Discuss the structure of polytene chromosome.
3. Discuss the Mendel law of independent assortment of dihybrid cross.
4. Discuss the back cross.
5. Discuss the chromosomal theory of complete linkage.
6. Discuss the microbial conjugation.
7. Discuss the inheritance of mitochondrial DNA.
8. Discuss the chromosomal deletion.

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