

NEP- Gene Organization, Replication and Repair

Sem IV

2023-24 Even Semester

Feb 13, 2024

Date of submission: Feb 20, 2024

Maximum marks: 12

Questions (4 marks each)

- 1. Differentiate between Type I and Type II Topoisomerases.**
- 2. Define the following:**
 - a. Gene**
 - b. Split gene**
 - c. Satellite DNA**
 - d. Telomere**
 - e. Telomerase**
 - f. Linking number**
 - g. Twist**
 - h. Writhe**
- 3. Explain the various topoisomerase inhibitors along with their biochemical basis and clinical significance.**