

[illegible]

- a) Anticodon
- b) Idiogram
- c) Pedigree
- d) Karyotyping
- e) RNA polymerase
- f) Frame shift mutation
- g) G phase
- h) Translation
- i) Sigma factor
- j) Heterochromatin

### SECTION-B

2. Discuss Mendel's laws of inheritance.
3. Briefly explain the process of crossing over.
4. Discuss the methods to induce mutation.
5. Differentiate between meiosis and mitosis with the help of a diagram.
6. Discuss various factors which effect linkage.

### SECTION-C

7. Give a detailed account of translation process.
8. Write a note on RNA explaining its structure and function.
9. Discuss evolution of cotton crop.

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