



MNS Department
Final Examination
Fall 2023

Course Title: Introduction to Biology
Course No.: BIO 101
Section 9

Total duration: 60 minutes
Total Marks: 30

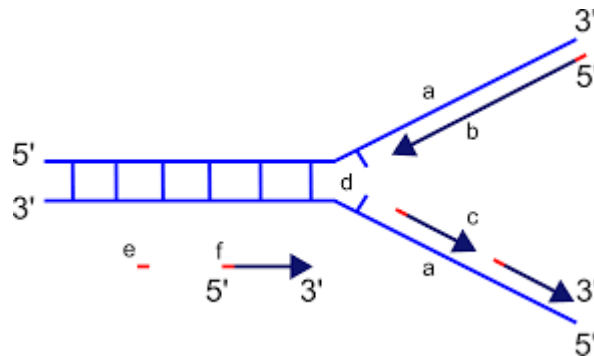
Date:

Section B

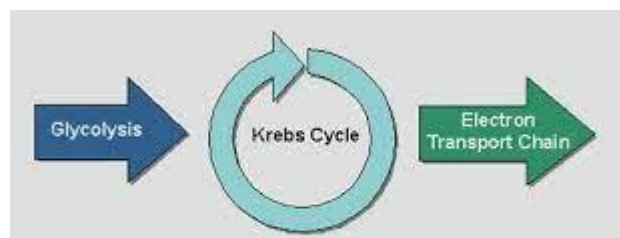
Answer the following analytical questions (Any five)

(5X4=20)

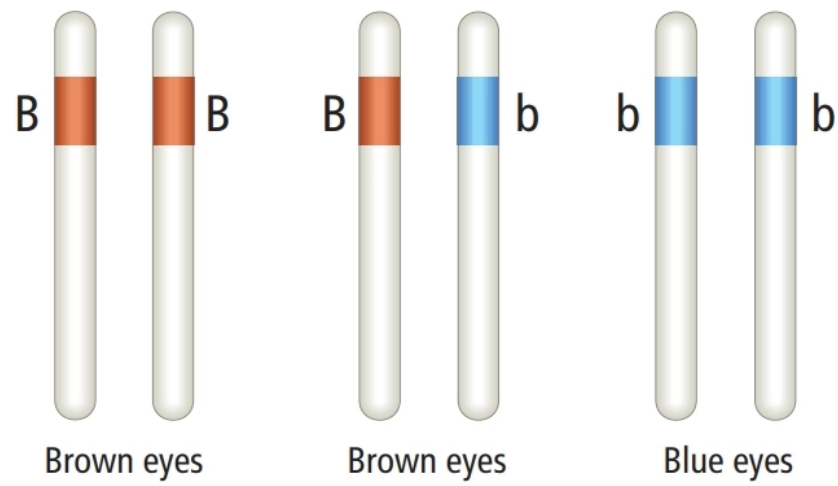
1. What will be the problem during DNA replication if the enzyme topoisomerase and helicase become non-functional?
2. Explain the following diagram.



3. What do you know about the process illustrated by the following picture?



4. Explain the following figure in terms of dominant and recessive alleles.



5. Write the steps of the mechanism of DNA to protein synthesis.
6. When does inflammation develop in your body and how?