

BSc (NEP) Sem.-1 Examination**MDC-114T****Biotechnology****February-2025****Time : 1-00 Hour]****[Max. Marks : 25**

Q.1 Write a detailed account of the types of DNA explaining their features and structure with diagram. 10

OR

Q.1 (A) Write few applications of biotechnology. 5

(B) Explain the structure and function of rRNA. 5

Q.2 Classify in detail amino acids based on nature of R groups. 10

OR

Q.2 (A) Differentiate between myoglobin and haemoglobin with diagram. 05

(B) Differentiate alpha helix and beta sheet structure of proteins along with proper illustrations. 05

Q.3 Answer the following (any Five) 05

1. What is green biotechnology?
 2. Write the difference between mRNA and tRNA.
 3. What is A-DNA?
 4. What is the structure of collagen?
 5. What is a peptide linkage?
 6. What is quaternary structure?
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