

Roll No.

Y – 466/Y-467(S)

B.Sc. (Third Year) EXAMINATION, (Suppl./Second Chance) Sept.-2021

BIO-CHEMISTRY

Paper-I, II

**MOLECULAR BIOLOGY/NUTRITION CLINICAL AND
ENVIRONMENTAL BIOCHEMISTRY**

Time : Three Hours

Maximum Marks : 40+40=80 (For Regular Students)

Minimum Pass Marks : 33%

Maximum Marks : 50+50=100 (For Private Students)

Minimum Pass Marks : 33%

Note : Attempt all questions.

Section 'A'

1. Describe primary structure of DNA. 13/16
2. Write a note on inhibitors of DNA replication. 13/17
3. Write a note on post-transcriptional modifications of RNA in Eukaryotes. 14/17

Section 'B'

4. Describe food and nutrition. What are the major components of balanced vegetarian and non-vegetarian diets ? 13/16
5. Describe basic concept of energy expenditure. How energy expenditure can be measured by direct and indirect calorimetry ? What are the units of energy ? 13/17
6. What is the importance of quality control in clinical laboratory ? Compare and contrast manual vs. automation in clinical laboratory. 14/17