

**W-442/W-443****B.Sc. (Third Year) Examination, March/April-2020****BIO-CHEMISTRY****Paper - I & II****Molecular Biology / Nutrition Clinical & 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**

- Q.1. Write in detailed explanatory diagrams of A and B forms of DNA? 13/16
- Q.2. Describe in detail the role of enzymes in DNA replication. Add a note on DNA repair mechanisms. 13/17
- Q.3. Describe the process of gene regulation in Prokaryotic cells? 14/17

**Section-B**

- Q.4. Write a detailed note on basic food groups and also write their importance. 13/16
- Q.5. Write a detailed note on basic concept of energy expenditure. 13/17
- Q.6. Why is quality control important in laboratory? Also write a note on manual Vs automation in clinical laboratory. 14/17

