

**W-442(S)/W-443(S)****B.Sc. (Third Year) (Supplementary) Examination, September-2020****BIO-CHEMISTRY****Paper - I-301 & II-302****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**

- Q.1. What do you understand by the Blender experiment, in context to Hershey and Chase? 13/16
- Q.2. How it was established that DNA replication is semiconservative? 13/17
- Q.3. Explain the different stages of eukaryotic transcription. Add a note on post transcriptional modification. 14/17

**Section-B**

- Q.4. Write a detailed note on fat soluble vitamins and water soluble vitamins with their biological functions. 13/16
- Q.5. Describe basic concept and measurement of energy expenditure. 13/17
- Q.6. Write a detailed note on quality control of clinical laboratory. 14/17

