

W-446(A)/W-447(A)**B.Sc. (Third Year) Examination, (Second Chance) March/April-2020****BIO-TECHNOLOGY****Paper - I & II****Molecular Biology and Genetic Engineering /
Applied Biotechnology***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. Explain in detail experimental proof of semiconservative replication. 13/16
- Q.2. Short notes on following: 13/17
- a) Histone modification.
 - b) Introduction to epigenetics.
- Q.3. Explain in detail evolution of biological macromolecules. 14/17

Section-B

- Q.4. Describe the production, recovery and various uses of Citric Acid. 13/16
- Q.5. Explain the various steps for Embryogenesis and Organogenesis with diagrams along with their significance. 13/17
- Q.6. Define Immunoglobulin. Explain their types, structure and role in immune response. 14/17

