

**W-446(S)/W-447(S)****B.Sc. (Third Year) (Supplementary) Examination, September-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 DNA as genetic material. 13/16
- Q.2. Short notes on following: 13/17  
a) Euchromatin  
b) Heterochromatin
- Q.3. Explain in detail chromosomal basis of heredity. 14/17

**Section-B**

- Q.4. What do you understand by Food Spoilage? Describe its causes and changes takes place after spoilage. 13/16
- Q.5. Describe the nutritional requirements of plant tissue culture. 13/17
- Q.6. Write an essay on transgenic animals. 14/17

