Roll No.

Y - 470/Y - 471(S)

B.Sc. (Third Year) EXAMINATION, (Suppl./Second Chance) Sept.-2021 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.Minimum Pass Marks : 33%

Section 'A'

1.	Explain rolling	circle mechanism	of replication.	13/16
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- 2. Write short notes on :
 - (a) Euchromatin
 - (b) Epigenetics.
- 3. Explain Mendel's law of dominance and independent assortment. 14/17

Section 'B'

- Define food spoilage. Describe the various methods used for the preservation of foods.
- 5. Define GM plants and discuss use of Agrobacterium in genetic manipulation.

13/17

13/17

What do you mean by antibody diversity ? Explain molecular mechanism involved in this.
14/17