

NEW
Part-III 3-Tier
2019
BIOTECHNOLOGY
(Honours)
PAPER—VIII
(PRACTICAL)

Full Marks : 100

Time : 6 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer all questions.

1. Determine the DNA sequence of prescribed protein and its corresponding amino acid sequence. Compute molecular weight of the said protein. 20

[Work : 5+5, Result : 3+3+2, Comment : 2]

2. Prepare a suitable culture media for Plant tissue culture and demonstrate the technique by placing a Plant's apical meristem on it. 20

[Work : 12, Procedure : 8]

(Turn Over)

3. Estimate the level of cholesterol of the supplied blood sample. Write the principle and comment on your result.

25

[Principle : 7, Procedure : 6,

Result : 8, Comment : 4]

4. Determine your own blood group of following standard protocol. Write the Principle and comment on your result.

15

[Procedure : 7, Principle : 5, Comment : 3]

5. Laboratory Note Book.

10

6. Viva-Voce.

10

