

NEW
Part-III 3-Tier
2017

MICROBIOLOGY

(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. Find out the pathogen from the supplied infected plant sample (A). Comment on the reproductive structure of the pathogen. 15
[Procedure—3; Spot assessment—4; Drawing & Description—6; Comment—2]

2. Determine potability of supplied water sample (B) through MPN method. 20
[Principle—3; Procedure—3; Spot assessment—6; Result—6; Comment—2]

(Turn Over)

3. Determine the Molecular weight of supplied protein (C) through SDS PAGE. 20
[Procedure—6; Spot assessment—6; Principle—4; Result—4]
4. Determine the MIC value of supplied antibiotics (D). 15
[Procedure—3; Spot assessment—5; Result—4; Comment—3]
5. Determine the frequency distribution of the data (E) supplied to you and calculate standard error from it. 10
[Tabulation—2; Calculation—4; Result—4]
6. Viva-voce. 10
7. Laboratory Note Book. 10
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