

NEW
Part-III 3-Tier
2019
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. Enumerate the *Azotobacter* sp. in the supplied soil sample (A). 15
[Principle—3; Procedure—3; Spot assessment—5;
Result—4]
2. Comment on the potability status of the supplied water sample after performing MPN test. 15
[Principle—3; Procedure—3; Spot assessment—4;
Result and Comment—5]

(Turn Over)

3. Determine the molecular weight of the supplied protein sample by SDS-PAGE. 25
[Principle—5; Procedure—8; Spot assessment—6; Result—6]
4. Determine the effect of temperature on bacterial growth. 15
[Principle—3; Procedure—3; Spot assessment—4; Result and Comment—5]
5. Submission of report of excursion. 10
[Report preparations—5; Presentation—5]
6. Viva-Voce. 10
7. Laboratory Note Book. 10
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