NEW

Part-III 3-Tier

2018

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 Azoatobacter sp. in the supplied soil sample (A).

 15

 [Principle—2; Procedure—3; Spot assessment—4; Result—4; Comment—2]
- 2. Determine the dissolve oxygen level in the supplied water sample (B).

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[Principle—2; Procedure—3; Spot assessment—4; Result—4; Comment—2]

3.	Isolate the plasmid DNA from given bacterial culture (C
	and confirm the isolation through agarose ge
	electrophoresis. 25
	[Principle—4; Procedure—6; Spot assessment—6;
	Result—6; Comment—3]
4.	Determine the growth curve of given bacterial culture (D
21	in time dependent manner. 15
	[Procedure-4; Spot assessment-4
	Result and graph—5; Comment—2]
5.	Submission of report of excursion. 10
26	[Report preparaions—5; Presentation—5;]
6.	Viva-Voce.
7.	Laboratory Note Book.