

**2009**

**M.Sc.**

**1st Semester Examination**

**MICROBIOLOGY**

**PAPER—VI**

**(PRACTICAL)**

**Full Marks : 40**

**Time : 8 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.*

**Group—A**

**[Marks : 24]**

**(5 Hours)**

**Answer all questions.**

- 1. Comment on the presence of  $\alpha$ -amylase in the solution by native gel electrophoresis. 10**

**(Procedure - 4, Work - 4, Comment - 2)**

- 2. Estimate colorimetrically the total DNA present in a bacterium. 9**

**(Principle - 3, Result - 6)**

- |                          |   |
|--------------------------|---|
| 3. Laboratory Note Book. | 2 |
| 4. Viva Voce.            | 3 |

**Group—B**

[Marks : 16]

(3 Hours)

Answer *all* questions.

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|---|---|
| 1. Submit the group project report in printed form. | 8 |
| 2. Discussion on group project report.              | 8 |
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