

2009

(New Syllabus)

MICROBIOLOGY — HONOURS — PRACTICAL

FOURTH PAPER

Group - B

Full Marks – 50

The figures in the margin indicate full marks

1. Perform the following tests for the supplied microorganism.

- (i) Citrate utilization
- (ii) Glucose fermentation
- (iii) Methylred

Marks distribution :

Presentation of the observed result	3
Result	9

2. Determine the concentration of a supplied antibiotic solution by cup-plate method. You will be provided with 10 mg/ml of antibiotic as stock solution and an organism which is sensitive to this antibiotic. Use at least four different concentrations for your experiments.

Marks distribution :

Quality of the work	6
Presentation	2
Result	4

3. Demonstrate the purification of a single microorganism from a mixed culture.

Marks distribution :

Demonstration	7
Result	3

4. Viva-Voce 10

5. Practical note book 6