

2013

M.Sc.

3rd Semester Examination

MICROBIOLOGY

PAPER—MCB-306

(PRACTICAL)

Full Marks : 50

Time : 10 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

Answer all questions.

1. Enumerate the Rhizobium population of the supplied soil sample (A). 8

Or

Determine the infection efficiency of a mycorrhizae in the given root sample (B).

2. Isolate and identify at least two VAM spore from the supplied soil sample (C). 8
3. Laboratory Note Book. 2
4. Viva-Voce. 2
5. Internal Assessment. 5

(Turn Over)

Group—B

Answer *all* questions.

6. Identify the specimens (D, E & F) giving proper reasons. 3×2
 7. Compare the stomatal frequency between virus infected leaf sample (G) with normal leaf (H). 8
 8. Submission of pathological sheets. 2
 9. Laboratory Note Book. 2
 10. Viva-Voce. 2
 11. Internal Assessment. 5
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