

2016

**P.G. Diploma Examination in
Quality Control and Assurance in
Microbial Technology**

1st Semester Examination

PAPER—QUA-105

(PRACTICAL)

Full Marks : 50

Time : 5 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.

Illustrate the answers wherever necessary.

- 1. Enumerate the bacterial load in the given soil sample through dilution plating technique. 15**

[Principle : 2, Procedure : 4, Result : 7, Comment : 2]

- 2. Evaluate the effect of compound A on growth of supplied bacteria. 15**

[Principle : 2, Procedure : 4, Result : 7, Comment : 2]

(Turn Over)

3. Determine the molecular weight of the supplied DNA sample through agarose gel electrophoresis. 10

[Principle : 2, Procedure : 3, Result : 3, Comment : 2]

4. Laboratory Note Book. 5

5. Viva-Voce. 5
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