

2016

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

1st Semester Examination

PAPER—QUA-106

(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.

Group—A

[Marks : 25]

1. Retrieve a sequence in FASTA format of human protein and note its accession and GI number. Perform blast P of the obtained sequence. 10
2. Download two nucleotids sequence of Keratinase and perform pairwise alignment and comment on the results. 10

(Turn Over)

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

Group—B

[Marks : 25]

1. Evaluate the level of Microbial Contamination in the supplied food item and comment on the result. 10
 2. Submit the documents related to QA norms of different sectors regarding food industries you have visited. 10
 3. Viva-Voce. 5
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