

2015

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

1st Semester Examination

PAPER—QUA-106

(PRACTICAL)

Full Marks : 50

Time : 6 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. Download a sequence in FASATA format of human insulin protein and note its accession and GI number. Perform blast P of the of the obtained sequence. 10**
- 2. Download two nucleoids sequences of α -amylase enzymes and perform pairwise alignment through channel analysis and comment on results. 10**

(Turn Over)

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

Group—B

[Marks : 25]

1. Evaluate the level of Microbial Contamination in the supplied fruit juice and comment on the result. 10
 2. Submit the documents related to QA norms of different sectors regarding fish preservation. 10
 3. Viva-Voce. 5
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