NEW

Part–III 3-Tier

2016

BIOTECHNOLOGY

(Honours)

PAPER—VII

(PRACTICAL)

Full Marks : 100

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.

Answer *all* questions.

1. Plot a standard curve for the given RNA (D) sample taking at least six concentration each by serial dilution.

Determine the unknown concentration (U) of the RNA sample given to you. 20

[Principle : 05, Procedure : 10, Result : 05]

2. Set the agarose gel for electrophoresis and run the given sample (B) through it. Comment on the result whether it is genomic DNA or plasmid DNA. 30

[Principle : 05, Procedure : 20, Result : 05]

3. Set the experiment of induced mutation by chemical/ physical on supplied organism (C). 10

[Principle : 02, Procedure : 06, Result : 02]

4. Group project (Submission and Discussion). 20

[Quality of Work : 05, Quality of Write up : 05, Group Discussion : 10]

5. Laboratory Note Book 10

6. Viva-voce. 10