2013
M.Sc.
3rd Semester Examination

BIOTECHNOLOGY

PAPER—BIT-305
(PRACTICAL)

Full Marks : 40
Time : 4 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. Set the pH of the liquid MS basal media to 5.6. (basal media provided) 15

Or

Demonstrate the procedure of surface sterilization of field grown plant portions (to be used as explants) in laminar flow hood chamber. (Plant material provided) 15

(Requisition — 2, Procedure — 4, Work — 6,
Results — 2, Comments — 1)

(Turn Over)
2. Prepare artificial seeds from the supplied sample. 15

Or

Make a preparation of cell suspension (single cell / cell aggregates) from the callus sample provided and show it under microscope. (liquid media provided) 15

3. Practical Note Book. 5

4. Viva-Voce. 5