

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
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