

Roll No.

Total Pages : 3

722/MH

C-2050

TISSUE CULTURE TECHNOLOGY

Paper-VII

Semester-VI

Time Allowed : 2 Hours]

[Maximum Marks : 52

Note : Attempt any **four** questions. All question carry equal marks.

1. Discuss in detail culture media composition and its preparation.
2. Explain various techniques of Micropropagation.
3. Give details on account of protoplast fusion.

4. What are Transgenic plants ? Explain the role of Agrobacterium in production of any transgenic plant.
5. Write a note on requirements of gases and serum in animal cell culture.
6. Explain the preparation and properties of suspension.
7. Write a note on Embryo transfer technology.
8. Write a note on industrial application of plant tissue culture.
9. Write answer to the followings :
 - (i) Transgenic Tomato.
 - (ii) Ri Plasmid.
 - (iii) Pleuropotency.
 - (iv) Monolayer Culture.

- (v) Cybrid.
- (vi) Autoclaving.
- (vii) Continuous cell Lines
- (viii) Cryopreservation.
- (ix) Ex-plant.
- (x) Re-differentiation.