

Roll No.

--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(Agriculture) (2014 & Onwards) (Sem.-5)

PLANT TISSUES CULTURE AND GENETIC TRANSFORMATION

Subject Code : BSAG-502

M.Code : 74166

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**Q.1 Write short notes on :**

- a) Pollen culture
- b) Somatic cell culture
- c) Anther culture
- d) Tissue culture
- e) Meristem Culture
- f) Protoplast Culture
- g) Cryopreservation
- h) Ovule culture
- i) Embryo culture
- j) Transgenic crops





SECTION-B

- Q2. Describe the Micro propagation.
- Q3. Write the In vitro grafting.
- Q4. Describe history of tissue culture.
- Q5. Describe the Somaclonal variations.
- Q6. Describe Secondary metabolite.

SECTION-C

- Q7. Describe the Somatic embryogenesis.
- Q8. Describe Commercialization of transgenic plants.
- Q9. Describe the Method of genetic transformation.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

