

Q.P. Code :10662

[Time: Three Hours]

[ Marks:100]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
  2. Figures to the right indicate full marks.
  3. Draw neat & labelled diagram wherever necessary.

- Q. 1) Attempt any two** **20**
- a) Define the term entrepreneur and give the qualities of the same.
  - b) Explain the extraction process of *Citronella* oil.
  - c) Describe the method of cultivation of any one mushroom studied by you.
- Q. 2) Attempt any two** **20**
- a) Explain the requirement for organization of tissue culture laboratory.
  - b) What is somatic embryogenesis? Explain the technique involved in it.
  - c) Describe the technique of canning for food preservation.
- Q. 3) Attempt any two** **20**
- a) Describe the methods of processing and storage of *Allium sativum*.
  - b) Explain the various methods for collection and processing of herbal material required in cosmetic preparation.
  - c) Describe biological source, macro and microscopical characters of *Oscimum basilicum*.
- Q. 4) Attempt any two** **20**
- a) What is a genomic DNA library? Explain the construction of a genomic DNA library.
  - b) Describe the technique of southern hybridization.
  - c) What is biological data? How is it classified?
- Q. 5) Attempt any four** **20**
- a) Cultivation of Rose
  - b) Totipotency
  - c) Sun drying
  - d) Herbal shampoo
  - e) BLAST
  - f) Chromosome library