DF-1540
M. Sc. (Sem. III) Examination
March / April - 2016
BOT - 303 : Genetics, Biotechnology & Bioinformatics

Time : 3 Hours] [Total Marks : 70

Instructions :

1. Describe: (14)
   1. Artificial seed
   2. PCR

2. Explain: (14)
   1. Basic concept, scope and importance of plant tissue culture.
   2. Computer software and their application.

3. write briefly (Any two) (14)
   1. Application of Bioinformatics
   2. Tools of Bioinformatics
   3. Restriction endonuclease

4. Describe (Any two) (14)
   1. World Intellectual property organization (WIPO)
   2. Somatic embryogenesis
   3. DNA isolation

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5. Write notes on: (Any two) (14)

1. Principles and methods of recombinant DNA technology
2. Callus culture
3. Farmer’s right and their benefits.