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Paper Code : DSC-310

Roll No.

B.Sc. (ZBC)-24

3rd Year Examination, Academic Batch 2018

Botany-VI (Plant Breeding, Biotechnology and Genetic Engineering)

Time : 3 Hours]

[Max. Marks : 100

*Note. Attempt any **Five** questions. All questions carry equal marks.*

Q.1 Define in detail the various objectives of Plant Breeding?

Q.2 Define emasculation, briefly define the various methods of emasculation?

Q.3 Describe the important medicine obtained from the underground parts of plants?

Q.4 What is biotechnology, state its scope and its importance?

Q.5 What is gene mapping? Explain its type and significance.

Q.6 Explain the physical and biological method of gene delivery

Q.7 What do you mean by plant introduction? Explain the role of introduction in crop improvement.

Q.8 Write short notes on the following (Any Four):

- (i) Morphogenesis (ii) Acclimatization (iii) Botanical characteristics of potato
- (iv) Traditional Biotechnology (v) Ti-plasmid (vi) Bt cotton