

B.Sc. (Honours) Examination, 2019
Semester – VI
Botany
Paper: BBE-62 (Elective)
(Seed Technology)

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin
Answer **any four** questions

1. Write an account of different types of seeds found in angiosperms. Distinguish between albuminous and exalbuminous seeds with an example of each. 7+3=10
 2. Describe the process of seed maturation while still attached with the mother plant. How do viviparous seeds differ from orthodox seeds? 8+2=10
 3. Define dormancy. Discuss the different types of seed dormancy reported in angiosperms. 2+8=10
 4. How does phase I of seed germination differ from phase II? Enumerate the changes that occur during both these phases of seed germination. 2+8=10
 5. Define seed viability. Discuss different methods for assessment of seed viability. What are the major reasons of seed viability loss? 2+5+3=10
 6. Write short notes on: 2.5×4=10
 - (a) Seed longevity
 - (b) Artificial methods of breaking seed dormancy
 - (c) Storage mobilization
 - (d) Structure of a typical seed
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