

M.Sc.(Ag.) Examination, 2016
Semester-III
Horticulture
Course – HOR-524
(Seed Production Technology of Vegetable Crops)

Time: 3 Hours

Full Marks: 50

Questions are of value as indicated in the margin.

Answer ***any five*** questions

1. Discuss about agronomical principles of seed production of vegetable crops. 10
 2. (a) Write about the scope of hybrid vegetable seed industry in India.
(b) Write down the advantages and disadvantages of hybrid seed productions of vegetables in India. 5+5=10
 3. (a) Define seed certification. Why inspection is necessary in seed certification?
(b) Write about the scope of cryopreservation in vegetable seed industry. 1+2+2+5=10
 4. What are the different guidelines for quarantine of seed? Write in brief about the seed legislation and seed law enforcement. 2+3+5=10
 5. Discuss seed production procedure of cauliflower and cabbage. 5+5=10
 6. Discuss briefly about harvesting and seed extraction of solanaceous vegetables. 10
 7. (a) Write about the origin, mode of pollination, anthesis time and colour of flower in brinjal and cowpea.
(b) Enumerate briefly the seed production procedure of pumpkin. 5+5=10
 8. Answer ***any four*** from the following: 2.5×4=10
 - i) Mechanism favouring cross pollination.
 - ii) Hybrid varieties of cucurbits.
 - iii) Sex form of cucurbits.
 - iv) Scope of vegetable seed industry in India.
 - v) Seed production of okra.
-