I

Define the following
1. PVPFRA
2. DUS Test

Fill in the blanks
3. Foundation seed is the progeny of ________________
4. __________ seed does not need certification
5. GM crops needs to be tested for ________________ safely before release.

State True or False
6. The optimum moisture content of seeds required for long term storage is 10 – 13%
7. For most of the cross pollinated and often cross pollinated crops, III and IV generation model of seed multiplication is suggested.
8. The female flower of Zea mays is called Tassel

Choose the correct answer
9. Pollinator in maize is
   a) Bees  b) water  c) wind  d) beetles
10. The colour of certification tag of Foundation seed class is
    a) Yellow  b) Blue  c) White  d) Orange

II

Write Short notes on ANY FIVE of the following  
(5x2=10)
1. Different classes of seed
2. Seed storage pests in rice
3. Central Seed Certification Board
4. Functions of seed testing laboratory
5. Importance of isolation distance in seed production
6. Intellectual Property Rights
7. Important characteristics of good quality seed

III

Answer ANY FIVE of the following  
(5x4=20)
1. Seed Act and Seed Act Enforcement.
2. Seed drying methods and principles
3. Seed marketing structure and factors affecting seed marketing
4. Seed packing and seed storage principles
5. Differentiate between Truthfully Labeled Seeds (TLS) and Certified Seed.
6. Different methods of seed drying
7. Differentiate between seed multiplication ratio and seed replacement rate.

IV

Write an essay on ANY ONE of the following  
(1x10=10)
Important considerations to be given for the production of nucleus and breeder seed; foundation and certified seeds in.
1. Maize hybrids
2. Rice varieties.

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