

**SECTION -B (ESSAY TYPE QUESTIONS)**  
(5x10=50 Marks)

1. What are the various types of seeds and differentiate between them?
2. Describe the structure of a seed in detail.
3. Define seed vigour and explain different factors affecting it.
4. Define seed germination. Describe the various types of seed germination in detail.
5. Give an account of causal organisms, symptom disease cycle and control measure for wheat rust.
6. What are some of the common cultural practices and plant protection in production and comment on them.
7. Define seed dormancy. Explain various methods to break seed dormancy.
8. Describe various steps involved in the maintenance of genetic purity.

==END OF PAPER==

**MASTER OF VOCATION**  
**Agriculture**

**Subject: Seed Science**  
**Subject Code: AGM-906**  
**Semester: Third**  
**December 2021**  
**Theory (External): 70 Marks**  
**Time: 03 Hours**

**Instructions to the Students**

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number									

**SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)**

(10x2=20 Marks)

- A. National Seed Corporation produces
- Breeder seed
  - Foundation seed
  - Nucleus Seed
  - None of the above
- B. The State Seed Corporation of Haryana was established in?
- 1973
  - 1975
  - 1972
  - 1974
- C. There is a prerequisite for seed certification of Hybrids of?
- Cotton
  - Muskmelon
  - Brinjal
  - All of the above
- D. The first step of seed viability test is
- Imbibition
  - Staining
  - Evaluation
  - None of the above
- E. Isolation distance is necessary
- Avoid cross pollination
  - Avoid self pollination
  - None of the above
  - Both a) and b)
- F. Seed Index is
- Weight of 10 g seed
  - Weight of 1000 g seed
  - Weight of 10000 g seed
  - Weight of 100 g seed
- G. Dockage is the
- Impurity percentage of seed
  - Purity percentage of seed
  - All of the above
  - None of the above
- H. Soil divider is used for sampling
- Small seeds
  - Large seeds
  - Both a and b
  - None of the above
- I. \_\_\_\_\_ is the standard method of seed moisture estimation
- Sun drying
  - Shade drying
  - Oven drying
  - All of the above
- J. Certification is not required for
- Nucleus seeds
  - Breeder seeds
  - Foundation seeds
  - Certified seeds