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Total No. of Printed Pages: 1

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B.Sc. (Hons.) Agriculture (Semester – 4th)
PRINCIPLES OF SEED TECHNOLOGY
Subject Code: BAGRS1-458
Paper ID: 19130136

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a) What do mean by vigour test.
- b) What are genetic purity?
- c) What do mean by certified seeds.
- d) Write down seed germination.
- e) Discuss seed viability.
- f) Write down role of IPR.
- g) What do mean by seed treatment.
- h) Write down the seed packing.
- i) What is role of WTO?
- j) Discuss seed quality.

Section – B

(5 marks each)

- Q2. Describe seed dryers. Also explain different factors affecting seed longevity during storage.
- Q3. Define GM crops. Also explain how to detect genetically modified crops by using different method.
- Q4. Write down the varietal identification through grow out test in seed
- Q5. Define seed and classify different types of seed. Also explain the importance of quality seed.
- Q6. Define seed certification in your own word. Also explain different phases of certification.

Section – C

(10 marks each)

- Q7. Explain importance of world trade organization in seed marketing.
- Q8. Write down the role of private sector and their production and marketing strategies in seed industries.
- Q9. Define seed treatment. Explain the process of seed treatment and its importance in seed production.