

II Year, BSc (Hons.) Agriculture- II CFA, Principles of Seed Technology (1+2)
School of Agriculture & Animal Sciences, GRI, Gandhigram

Date: 21.04.2022

Total Marks: 50

I. Answer the following questions

(10 x 1= 10)

1. What is GM crop?
2. What is seed drying?
3. What is equilibrium moisture content?
4. What is seed processing?
5. What is seed treatment?
6. List out the name of seed treatment equipment's
7. What is the role of WTO?
8. What is IPR?
9. What is patent?
10. What is copyright?

II. Answer the any four of the questions

(4 x 5= 20)

1. A) Discuss the GOT test used for varietal identification
(OR)
B) Describe the seed processing equipment air screen cleaner working principle with suitable diagram
2. A) Asses the methods used for transgene insertion in crop plants
(OR)
B) Write the application of GM technology in crop plants
3. A) Discuss the factors affecting seed longevity in seed storage.
(OR)
B) What is seed storage. Discuss the types of seed storage.
4. A) Discuss the different types of seed distribution systems
(OR)
B) Assess the Plant breeders right, farmers right, & research exemption

III. Answer any Two of the following

(2 x 10=20)

1. Explain the methods of seed drying and write their advantages and disadvantages
2. Evaluate the pre-sowing, pre-storage and mid storage seed treatments.
3. What is seed pricing policy. Discuss the different pricing strategies and techniques.
Write the overview of factors affecting the seed industry with suitable diagram.
