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Question Paper Code: 59A76

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2019

Open elective

Civil Engineering

15UAG976- SEED PRODUCTION TECHNOLOGY

(Common to CSE, ECE, EEE, EIE, Mechanical, IT, Chemical, BME)

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Tag colour of foundation seed _____ CO1- R
(a) green (b) brown (c) white (d) all of the above
2. Optimum moisture content for long term storage _____ % CO1- R
(a) 1:40 (b) 1:50 (c) 1:20 (d) 1:30
3. Resting period of seeds called as _____. CO2- R
(a) Germination (b) Dormancy (c) Vigour (d) All the above
4. Off types and volunteer plants should be removed before they shed pollen as called CO2- R
(a) Plant protection (b) Roughing (c) Harvesting (d) All the above
5. Thiram chemical used as _____ CO3- R
(a) Growth regulator (b) Seed treatment (c) Acaricide (d) Insecticide
6. _____ is the first step in seed testing and quality control CO3- R
(a) Seed certification (b) Seed inspection (c) Seed sample (d) All the above
7. _____ determine the impurities of the sample tested. CO4- R
(a) Purity analysis (b) Viability test (c) Grow out test (d) All the above
8. _____ estimation is defined as either loss in weight when its dried. CO4- R
(a) Seed moisture (b) Seed sampling (c) Germination (d) All the above

9. What is the expansion of CSCB CO5- R
 (a) Central seed certification board (b) Centre for seed certification board
 (c) Centre seed certification board (d) Both A & B
10. National see policy established in_____ year. CO5- R
 (a) 1998 (b) 2004 (c) 2002 (d) 2001

PART – B (5 x 2= 10 Marks)

11. Define seed CO1- U
 12. What is dormancy CO2- U
 13. Define contaminants. CO3- U
 14. List out importance of seed testing. CO4- U
 15. What is NSP. CO5- U

PART – C (5 x 16= 80 Marks)

16. (a) Define Seed? Explain the importance and characteristics of seeds CO1- U (16)
Or
 (b) Define SMR. Write details about SMR CO1- U (16)
17. (a) Explain the details about seed crop management. CO2- U (16)
Or
 (b) Explain details about seed storage and factor influencing the seed storage. CO2- U (16)
18. (a) What is seed certification. Describe the phases and procedures for seed certification CO3- U (16)
Or
 (b) Explain details about grow out test. CO3- U (16)
19. (a) Illustrate the seed vigour test CO4- U (16)
Or
 (b) Illustrate the Seed health test CO4- U (16)
20. (a) Explain details about central seed certification board. CO5- U (16)
Or
 (b) Explain the detail about seed act and rules CO5-U (16)