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Question Paper Code: 98A65

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2024

One Credit

Agricultural Engineering

19UAG865 – SEED PRODUCTION TECHNOLOGY

(Regulations 2019)

Duration: 1.30 hours

Maximum: 50 Marks

Answer ALL Questions

PART A - (6 x 1 = 6 Marks)

1. Government of India have enacted Seeds act CO1-U
(a) 1966 (b) 1968 (c) 1961 (d) None of the above
2. Promulgated under essential commodities act CO1-U
(a) 1983. (b) 1968 (c) 1961 (d) None of the above
3. Minimum limit and labeling of the notified kind / varieties of seed CO2-App
(a) Seed testing (b) Seed analyst (c) Seed inspectors (d) all the above
4. Sampling intensity of seed lot maximum quantity will be CO3-App
(a) 20,000 kg (b) 10,000 kg (c) 5,000 kg (d) both (a) and (c)
5. Seed testing is determining the standards of a seed lot CO1-U
(a) Physical purity (b) Moisture (c) germination (d) all of the above
6. If the seed crop fails to meet with any one factor as per the standards CO1-U
(a) L.F.R report (b) acid test (c) water test (d) none the above

PART – B (6 x 2= 12 Marks)

7. Define Methods of seed sampling CO1-U
8. Give the details of Types of sample used in Seed Testing Laboratory (STL) CO1-U
9. What are the key characteristics of farm management? CO2-U
10. Define seed give explanation? CO2-U
11. What is Seed certification? CO1-U
12. What are the characteristics the earthworms for attaining during composting? CO1-U

PART – C (2 x 16= 32 Marks)

13. (a) Explain about Transgenic Plant Varieties, Role of ICAR, NBPGR and Environmental Protection Agency (EPA-1986) CO1-U (16)
- Or
- (b) Illustrate the importance of seeds and planting material and export of seeds CO1-U (16)
14. (a) Elucidate Promotion Of Domestic Seed Industry And Strengthening Of Monitoring System CO3-App (16)
- Or
- (b) Explain about Seed act and its rules in India Nation. CO1-U (16)