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Question Paper Code: U9A75

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

Open Elective

Agricultural Engineering

21UAG975-ORGANIC FARMING TECHNOLOGY

(Common To All Branches)

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer All Questions

PART A - (10 x 1 = 10 Marks)

1. The study of the relationships between living organisms and their environment is called _____ CO1-U
(a) Biosphere (b) Population (c) Community (d) Biome
2. Example of the biosphere includes the, and _____ CO1-U
(a) Lithosphere (b) Hydrosphere (c) Atmosphere (d) All the above
3. Farming system otherwise called _____ CO1-U
(a) Farm enterprise (b) Farm environment (c) Both (a) and (b) (d) (a) only
4. Specialized farming system as a _____ CO1-U
(a) Maximize the Production (b) Short time
(c) Both (a) and (b) (d) All the above
5. Example of edible oil cake _____ CO1-U
(a) Groundnut cake (b) Coconut cake (c) Both a & b (d) (a) only
6. Vermi castings otherwise called _____ CO1-U
(a) Excreta (b) Farmyard (c) Cowdung (d) Both a & b
7. Cultural management may be _____ CO1-U
(a) Planting time (b) Seed rate (c) Plant spacing (d) All the above
8. Biological methods of pest control _____ CO1-U
(a) Predators (b) Semiochemicals (c) Planting time (d) Both a & b

9. Purpose of organic agriculture is provision of _____ CO1-U
 (a) Good soil (b) Good food (c) Good health (d) All the above
10. World leader in transgenic technology _____ CO1-U
 (a) USA (b) India (c) Europe (d) Sri Lanka

PART – B (5 x 2= 10Marks)

11. What are the key characteristics of organic farming? CO1 -U
12. Distinguish between Collecting farming vs. Dairy farming CO1 -U
13. Difference between subsistence farming and commercial farming? CO1 -U
14. Give example of Bio-control agents? CO1 -U
15. Define organic certification process. CO1 -U

PART – C (5 x 16= 80Marks)

16. (a) Give the details of Organic farming Definition and Prospectus elaborately and Give the details of Organic farming Principle and concepts. CO1 – U (16)
- Or
- (b) Give the detailed information about commensalism, Mutualism and Parasitism with suitable example? CO1 – U (16)
17. (a) Elucidate the shifting cultivation and major source of manures and give the detailed information of Farm yard manure. CO1 – U (16)
- Or
- (b) Explain about different methods of vermicomposting production. CO1 – U (16)
18. (a) Give the detailed information of Farm yard manure and concentrated organic manure. CO2 – App (16)
- Or
- (b) Give the details about scope of farming system and give detail about major crops in India and Tamil Nadu. CO2 – App (16)
19. (a) Explain about Bio-Intensive pest management with give suitable example. CO1 – U (16)
- Or
- (b) What are the tools are involved in Integrated pest management tactics. CO1 – U (16)
20. (a) Explain Integrated Pest/Disease management in vegetable ecosystem. CO1 – U (16)
- Or
- (b) Explain Integrated Pest/Disease management in cotton ecosystem. CO1 – U (16)