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Question Paper Code: 99A71

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

Open Elective

Civil Engineering

19UAG971- Organic Farming technology

(Common to CSE, ECE, EEE, Mechanical, IT, Chemical, Bio medical engineering branches)

(Regulation 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Organic farming defined is_____ CO1- R
(a) Chemical (b) Physical (c) Biological (d) None of the above
2. The biosphere includes the, and_____ CO1- U
(a) Lithosphere (b) Hydrosphere (c) Atmosphere (d) all the above
3. The plants and animals of an ecosystem are determined by the_____ CO2- R
(a) Abiotic factors (b) Biotic factor (c) Both 1 and 2 (d) 1 only
4. Farm enterprises may be called_____ CO2- R
(a) Agriculture (b) Horticulture (c) Poultry (d) all the above
5. Example of edible oil cake_____ CO3- R
(a) Groundnut cake (b) Coconut cake (c) Both a & b (d) a only
6. Glyphosate and neonicotinoids are particularly_____ CO3- R
(a) devastating the insects (b) devastating the pollinators
(c) devastating the soil microflora (d) all the above
7. Biointensive IPM should be 'a_____ CO4- U
(a) Cultural (b) Plant resistance (c) Bio control (d) All the above
8. Biopesticides may be_____ CO4- R
(a) Neem oil (b) Pungam oil (c) Both a & b (d) NA

9. Purpose of organic agriculture is provision of_____ CO5- R
 (a) Good soil (b) Good food (c) Good health (d) All the above
10. World leader in transgenic technology_____ CO1- R
 (a) USA (b) India (c) Europe (d) Sri Lanka

PART – B (5 x 2= 10 Marks)

11. What are the key characteristics of organic farming CO1- U
12. Definition of Integrated Farming System(IFS) CO2- U
13. What are the key characteristics of cropping pattern? CO3- R
14. What is the meaning of Cultural method give example? CO4- R
15. Define organic certification. CO5- R

PART – C (5 x 16= 80 Marks)

16. (a) Give the detailed information about commensalism, Mutualism and Parasitism with suitable example? CO1- U (16)
 Or
 (b) Give the details of Ecological succession CO1- U (16)
17. (a) Elucidate the shifting cultivation and major source of manures and give the detailed information of Farm yard manure CO2- U (16)
 Or
 (b) Explain the Crop residues and sheep and goat manures give the detailed information of preparation of different methods vermi composting CO2- U (16)
18. (a) Give the detailed information of Farm yard manure and concentrated organic manure. CO3- U (16)
 Or
 (b) Elucidate the details about Coir pith manure and methods of composting coir pith method. CO3- U (16)
19. (a) Explain about Bio-Intensive pest management with give suitable elaborately CO4- U (16)
 Or
 (b) What are the tools of Integrated pest Management tactics give explain. CO4- U (16)

20. (a) Give the details about Organic certification process give CO5- U (16)
elaborately

Or

(b) Role of NGO play crucial role in promoting organic agricultural CO5- U (16)
practices in India.

