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Question Paper Code: 59A74A

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

Open elective

Civil Engineering

15UAG974- ORGANIC FARMING TECHNOLOGY

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

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Biosphere reserve programme was launched by CO1- R
(a) UNESCO (b) USEPA (c) USA (d) UK
2. Mention of *Kamadhenu*, the celestial cow belongs to which epic CO1- R
(a) Ramayana (b) Mahabharata (c) Arthashastra (d) Varahmihir
3. The technique to grow various kind of crops in the same area, according to CO2- R
the different seasons, in a sequential manner is
(a) Crop rotation (b) Green manure (c) Cover crops (d) All of the above
4. _____ is to keep grass healthy. CO2- R
(a) Mulching (b) Strip cropping (c) Mowing (d) All the above
5. _____ oil cake is exclusively used as a manure CO3- R
(a) edible oil cake (b) non edible oil cake (c) sesame oil cake (d) groundnut oil cake
6. _____ is a bio fertilizer. CO3- R
(a) Legume (b) Green manure (c) Crops (d) Rhizobium
7. Systems high in biodiversity tend to be more _____ CO4- R
(a) Physically stable (b) Chemically stable (c) ecologically (d) dynamically stable

8. _____ involves removing and destroying the overwintering or breeding sites of the pest. CO4- R
 (a) Mulching (b) Sanitation (c) Mowing (d) Spacing of plants
9. _____ is essentially aimed at regulations and facilitating the sale of organic products to consumers. CO5- R
 (a) Documentation (b) Certification
 (c) Report (d) Agency
10. _____ is the initial step made to the certification agency in the prescribed format with required details. CO5- R
 (a) Report (b) Screening (c) Documentation (d) Application

PART – B (5 x 2= 10 Marks)

11. Define organic farming. CO1- U
12. Define Farming system. CO2- U
13. Define green manures CO3- U
14. Name some certification agencies in India CO4- U
15. Name some certification agencies in India CO5- U

PART – C (5 x 16= 80 Marks)

16. (a) Explain the strategies of conservation of Biodiversity. CO1- U (16)
 Or
 (b) Discuss the scope of organic farming and the global scenario. CO1- U (16)
17. (a) Discuss the impacts of Green revolution farming CO2- Ana (16)
 Or
 (b) Discuss the impacts of Green revolution farming CO2- Ana (16)
18. (a) Discuss the benefits and Economics of bio-fertilizers CO3- U (16)
 Or
 (b) Explain the benefits and precautions to be taken in vermicomposting. CO3- U (16)
19. (a) Discuss the other cultural management options for the Biointensive IPM. CO4- U (16)

Or

(b) Explain briefly the tactics that can be integrated into weed management systems management. CO4- U (16)

20. (a) Explain briefly the tactics that can be integrated into weed management systems. CO5- U (16)

Or

(b) Discuss in detail the standards of National Standards Organic Production. CO5-U (16)

