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**Question Paper Code: 59A74**

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2022

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. An ecosystem has physical, chemical, and biological components along with ----- and pathways of energy and materials interchange CO1- R  
(a) environment            (b) energy sources        (c) habitat                    (d) niche
2. Mention of *Kamadhenu*, the celestial cow belongs to which epic CO1- R  
(a) Ramayana                (b) Mahabharata            (c) Arthashastra            (d) Varahmihir
3. IFOAM stands for CO2- R  
(a) Indian Federation of Organic Agriculture Movements  
(b) International Federation of Organic Agriculture Movements  
(c) International Foundation of Organic Agriculture Movements  
(d) Indian Foundation of Organic Agriculture Movements
4. \_\_\_\_\_ is to keep grass healthy. CO2- R  
(a) Mulching                (b) Strip cropping            (c) Mowing                    (d) All the above
5. ----- as growing of different crops in a succession in same land CO3- R  
(a) crop rotation            (b) multiple cropping        (c) mulching                    (d) all of the above
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. Neem contains-----insecticidal properties CO4- R  
 (a) azadirachtin (b) nimbin (c) meliacins (d) all of the above
9. \_\_\_\_\_ is essentially aimed at regulations and facilitating the sale of organic CO5- R  
 products to consumers.  
 (a) Documentation (b) Certification  
 (c) Report (d) Agency
10. NPOP stands for CO5- R  
 (a) National program on organic production t  
 (b) National program on organic product  
 (c) National product on organic production  
 (d) all of the above

PART – B (5 x 2= 10 Marks)

11. Define Ecology CO1- U
12. Define Farming system. CO2- U
13. Define green manures CO3- U
14. What are the components of Biointensive IPM? CO4- U
15. Define organic certification CO5- U

PART – C (5 x 16= 80 Marks)

16. (a) What is the need of organic farming and the output of Organic Vs CO1- U (16)  
 Natural farming..  
 Or  
 (b) Discuss the scope of organic farming and the global scenario. CO1- U (16)
17. (a) Define farming system. Explain the details about scope and CO2- U (16)  
 concept of farming system  
 Or  
 (b) Write down the classification and methods of organic farming. CO2- U (16)
18. (a) Write the detail about methods of organic waste recycling CO3- U (16)  
 Or

- (b) Explain the benefits and precautions to be taken in vermi CO3- U (16)  
composting.
19. (a) Explain the detail about bio-intensive pest and disease CO4- U (16)  
management
- Or
- (b) Explain briefly the tactics that can be integrated into weed CO4- U (16)  
management systems management.
20. (a) Write the detail about organic certification agencies in india CO5- U (16)
- Or
- (b) Write the detail about economic evaluation of organic production CO5-U (16)  
systems

