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**Question Paper Code: U3A04**

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

Third Semester

Agriculture Engineering

21UAG304– INTEGRATED FARMING SYSTEMS

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. The most effective cropping system for returning mineral elements to the soil is..... CO1- U  
(a) Crop rotation (b) Relay cropping (c) Alley cropping (d) Mixed cropping
2. The yearly sequence and spatial arrangement of crops including fallow is called..... CO1- U  
(a) Season (b) Cropping system (c) Crop rotation (d) None of the above
3. Which enterprises is most suitable in wet land ecosystem? CO1- U  
(a) Farm pond (b) Goat rearing (c) Fishery (d) Agro forestry
4. Areas where water covers the soil is known as..... CO1- U  
(a) Dry land (b) Wet land (c) Garden land (d) Fallow land
5. Agrosilvopastoral system is ..... CO1- U  
(a) Crop + tree + pasture (b) Crop + fruit tree (c) Crop + tree (d) Tree + pasture
6. Young age silkworm is known as..... CO1- U  
(a) Chawki (b) Crawler (c) Milky white larva (d) All the above
7. In pig farming side walls of the sheds should be..... CO1- U  
(a) 3 – 4 ft (b) 4 – 5ft (c) 2 – 3 ft (d) 5 – 5.5 ft
8. Which breed cows are good milkers and the bullocks are with good draft work capacity CO1- U  
(a) Sahiwal (b) Nagore (c) Tharparkar (d) Red sindhi

9. The study of fungi is called..... CO1- U  
 (a) Mycology (b) Plant pathology (c) Mycophagy (d) Fungiculture
- 10 Vermicompost is a ..... CO1- U  
 (a) Toxic material (b) Organic biofertilizer  
 (c) Inorganic fertilizer (d) Synthetic fertilizer

PART – B (5 x 2= 10 Marks)

- 11 Explain the factors impacting farming systems. CO1- U
- 12 List out the components of IFS in dry land and give brief details about any two components? CO1- U
- 13 Write benefits of agro forestry system? CO1- U
- 14 Write advantages of rabbit farming. CO1- U
- 15 Give details about vermicomposting and its advantages? CO1- U

PART – C (5 x 16= 80 Marks)

- 16 (a) What is farming system, farming system concept, scope of farming system? CO1-U (16)  
 Or  
 (b) Explain about cropping pattern, cropping system and different types of cropping system with suitable example? CO1-U (16)
- 17 (a) What are all the enterprises linked in wet land ecosystem and give brief detail about the enterprises? CO1-U (16)  
 Or  
 (b) List out the enterprises linked in garden land ecosystem and give brief detail about the enterprises? CO1-U (16)
- 18 (a) Explain about different Castes of honey bees. CO1-U (16)  
 Or  
 (b) Classify different types of Agro forestry systems. CO1-U (16)
19. (a) Give detail about duck husbandry practices. CO1-U (16)  
 Or  
 (b) Analyse the package of management practices recommended for commercial pig farming? CO3-Ana (16)
20. (a) Explain the methods of cultivation for oyster mushroom. CO1-U (16)  
 Or  
 (b) Explain about methods of spawn preparation. CO1-U (16)

