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Question Paper Code: U9A72

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

Open Elective

Civil Engineering

21UAG972 - INTEGRATED FARM MANAGEMENT

(Common to CSE, ECE, EEE, Mechanical, IT, Chemical, Bio medical, CSBS & CSD branches)

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Vertical farming also known as..... CO1- U
(a) Stack farming (b) Step farming (c) Subsistence farming d) All the above
2. Which one of the following pairs is not correctly matched? CO2- App
(a) Relay cropping: Sowing pulse in rice crop prior to harvest
(b) Inter cropping: Groundnut+ Cowpea
(c) Mixed cropping: Brinjal
(d) Sole cropping: Sugarcane
3. Identify the correct one related to IFS in garden land CO2- U
(a) Farm pond (b) Goat rearing (c) Piggery (d) Fishery
4. Areas where water covers the soil is known as..... CO2 -App
(a) Dry land (b) Wet land (c) Garden land (d) Fallow land
5.is the method of inducing roots in a stem which is still attached to the plant CO2- App
(a) Layering (b) Budding (c) Grafting (d) Cutting
6. Protein content in azolla CO1 -U
(a)25-30% (b) 20-25% (c) 30- 35% (d) 15- 25%
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. In spawn production the boiled grains are mixed with CaCO_3 aton dry weight basis. CO2-App
- (a) 2g/kg (b) 20g/kg (c) 2g/g (d) 200g/ kg
10. Vermicomposting is a CO1- U
- (a) Toxic material (b) Organic bio fertilizer
- (c) Inorganic fertilizer (d) Synthetic fertilizer

PART – B (5 x 2= 10Marks)

11. Difference between intercropping and mixed cropping? CO2-App
12. List out the components of IFS in dry land and give brief details about any two components? CO1- U
13. List out the different types of bees and their scientific name with family? CO1- U
14. Enumerate the Agri-silviculture system? CO1- U
15. How to select fish stocking density in fish farming? CO2-App

PART – C (5 x 16= 80Marks)

16. (a) Give details about organic farming, irrigated farming, precision farming, integrated farming system and terrace cultivation. CO1 - U (16)
- Or
- (b) Explain the following farming system - plantation agriculture, dry-farming, dry land farming, rainfed farming, dairy farming and vertical farming CO1 - U (16)
17. (a) Components of IFS in dry land ecosystem and give brief detail about the enterprises? CO2 -App (16)
- Or
- (b) List out the components of integrated farming system and give brief detail about any three components? CO2 -App (16)
18. (a) Differentiate the morphological and internal differences of three castes of honey bees? CO2 -App (16)
- Or
- (b) Analysis the package of common management practices recommended for dairy farming? CO2- App (16)

19. (a) Analysis the package of common management practices recommended for dairy farming? CO2- App (16)
Or
(b) Write package of common management practices recommended for goat rearing. CO2 -App (16)
20. (a) How the farm wastes are recycled in the following units crop + dairy + biogas + spawn + silviculture CO2- App (16)
Or
(b) How the farm wastes are recycled in the following units crop + dairy + biogas + mushroom? CO2 -App (16)

