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Question Paper Code: U9A71

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

Open Elective

Agricultural Engineering

21UAG971-ICT IN AGRICULTURE

(Common To All Branches)

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer All Questions

PART A - (10 x 1 = 10 Marks)

- _____ can be quite complicated and expensive in the chain of providing information services ? CO1-U
(a) Production (b) Data collection (c) Data analysis (d) All of these
- The Village Resource Centres (VRCs) programme launched by _____ CO1-U
(a) FSSAI (b) BSB (c) ISRO/ DOS (d) All of these
- Which of the following represents one billion characters? CO1-U
(a) Kilobyte (b) Megabyte (c) Gigabyte (d) Terabyte
- What does the acronym WAN stand for _____ CO1-U
(a) Widest Area Network (b) Wild Area Network
(c) Wide Area Networking (d) Wide Area Network
- _____ essentially provide the same services as do pricing information services CO1-U
(a) Holistic trading services (b) VTFs (c) Pricing (d) None
- _____ also often use mobile phones as a delivery mechanism, but need a more sophisticated back-end infrastructure CO1-U
(a) VTFs (b) HTS (c) Traceability (d) All the above

7. _____ allows for changing form of data, simulation modeling, CO1-U
 (a) Data exchange (b) Data storage (c) Data analysis (d) None
8. Which of the following are the instruments of money market? CO1-U
 (a) Call money (b) Certificate of deposits (c) Trade bills (d) All of the above
9. Which one of the following processes is the main task for the CO1-U
 computer in mapping the geographical data?
 (a) Data storage (b) Data visualization (c) Data retrieving (d) Data Collection
10. What are the second functional component of a GIS is the role of CO1-U
 data storage and the management of these data.
 (a) Digital data formats (b) Data storage (c) Data manipulation (d) Data display

PART – B (5 x 2= 10 Marks)

11. Explain Village Resource Centres? CO1-U
12. What are the advantages of ICT information services? CO1-U
13. What are the types of market access service in ICT? CO1-U
14. Explain about Financial derivatives for financial risk management? CO1-U
15. What are Applications of Remote Sensing? CO1-U

PART – C (5 x 16= 80 Marks)

16. (a) Explain any two various ICT enabled services related to the CO2-U (16)
 society.
 Or
 (b) Explain the ICT and its ramifications for rural economies. CO2-U (16)
17. (a) What are the Issues and challenges for ICT information services CO1-U (16)
 and advantages ?
 Or
 (b) What are the scope and Significance of ICT information services? CO1-U (16)
18. (a) Discuss in details about advantages of and opportunities for market CO1-U (16)
 access ICT services ?
 Or
 (b) What is market access ICT service and explain its classification of CO1-U (16)
 market access ICT service ?

19. (a) Explain the classification of financial inclusion ICT services and its advantages ? CO2-U (16)
- Or
- (b) Explain about issues and challenges for ICT financial inclusion services ? CO2-U (16)
20. (a) What is Remote Sensing and its working principles of remote sensing with neat sketch ? CO1-U (16)
- Or
- (b) Explain Geographic Information System GIS Data Models and its types with flow chart ? CO1-U (16)

