

A

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Question Paper Code: R9A71

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2025

Open Elective

R21UAG971– ICT in AGRICULTURE

(Regulations R2021)

(Common to All Engineering Branches)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. _____ 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
2. URL stands for _____ CO1 U
(a) Universal Resource Location (b) Universal Response Locator
(c) Unified Response Location (d) Uniform Resource Locator
3. What is the name of a web page address CO1 U
(a) Directory (b) Protocol (c) URL (d) Domain
4. The first web browser is CO1 U
(a) Internet Explorer (b) Netscape
(c) World Wide Web (d) Firefox
5. _____ sellers and buyers connect directly with one another to conduct the exchange of goods available at that moment. CO1 U
(a) matching-service (b) HTS (c) VTFs (d) None of the above
6. _____ 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 of the above
8. The allocated function is performed by CO1 U
 (a) Financial market (b) Capital market (c) Money market (d) None
9. Which one of the following processes is the main task for the computer in CO1 U
 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 data storage CO1 U
 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. What are the Basic terminology of ICT? CO1 U
12. What are the advantages of ICT information services ? CO1 U
13. What is Holistic trading services ? CO1 U
14. What are the primary types of financial services in ICT ? CO1 U
15. What is Vector Data Formats in GIS ? CO1 U

PART – C (5 x 16= 80 Marks)

16. (a) Can a company adopt to implement ICT tools for better decision- CO3-App (16)
 making.
 Or
 (b) What key characteristics should be considered when implementing CO3-App (16)
 ICT solutions in agriculture?
17. (a) How would you address the challenges of ICT information CO3-App (16)
 services while maximizing their advantages in an organization?
 Or
 (b) Identify and explain key opportunities presented by ICT CO3-App (16)
 information services for business and society.

18. (a) How can you leverage market access ICT services to maximize business advantages and create new opportunities? Provide examples of strategies you would use. CO3-App (16)
- Or
- (b) How would you define market access ICT service and apply its classification system to optimize service delivery and business outcomes? CO3-App (16)
19. (a) How would you define financial inclusion ICT services and apply their classification to improve access to financial products in underserved communities? CO4-Ana (16)
- Or
- (b) How would you demonstrate the use of common ICT platforms to enhance the delivery of financial inclusion services? CO4-Ana (16)
20. (a) How would you explain remote sensing and apply its working principles using a neat sketch to illustrate the process? CO5-Ana (16)
- Or
- (b) How would you apply the GIS planning and implementation process in a real-world project, using a flow chart to show each stage? CO5-Ana (16)

