



BRAINWARE UNIVERSITY

Term End Examination 2023-2024
Programme – B.Sc.(Ag)-Hons-2022
Course Name – Agri-Informatics
Course Code - CC-BAG374(T)
(Semester III)

Library
Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

Full Marks : 50

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) LCD stands for
- | | |
|---------------------------|--------------------------|
| a) Liquid crystal display | b) Lead Crystal Display |
| c) Liquid Central Display | d) Light Central Display |
- (ii) CTRL, Shift and Alt are also known as
- | | |
|------------------|------------------|
| a) Function | b) Modifier |
| c) Alpha Numeric | d) None of these |
- (iii) HTTP stands for
- | | |
|---------------------------------|--------------------------------|
| a) Hyper Text Markup Protocol | b) Hypo Text Transfer Protocol |
| c) Hyper Text Transfer Protocol | d) None of these |
- (iv) Web Browser can be explained as
- | | |
|--|--|
| a) a program that can display a web page | b) a program used to view html documents |
| c) it enables user to access the resources of internet | d) All of the above |
- (v) A particular PC on the internet is identified by
- | | |
|-------------------|--------------------|
| a) Server address | b) Network address |
| c) Ip address | d) None of these |
- (vi) WWW was invented by
- | | |
|-------------------------|----------------------------|
| a) Sir Alessandro Volta | b) Sir Timothy Berners Lee |
| c) Sir Michael Faraday | d) None of these |
- (vii) WWW was invented in
- | | |
|-------------------|----------------|
| a) North Carolina | b) North Korea |
| c) Switzerland | d) Moscow |
- (viii) XML stands for
- | | |
|-------------------------------|------------------------------|
| a) Extensible Markup Language | b) Extensive Markup Language |
| c) Exclusive Markup Language | d) None of these |
- (ix) Explain operating system

- a) interface between the hardware and application programs
b) collection of programs that manages hardware resources
c) system service provider to the application programs
d) all of the mentioned
- (x) DOS was developed by
a) Microsoft
b) IBM
c) Apple
d) None of these
- (xi) ASCII stands for
a) American Standard Code for Information Interchange
b) American Security Changes for Informatics and Intelligence
c) American Social Code for Information Interchange
d) Australian Standard Code for Information Interchange
- (xii) In DOS, the default path is set to
a) C:\Users\User_Name>
b) D:\Users\User_Name>
c) E:\Users\User_Name>
d) F:\Users\User_Name>
- (xiii) DOS is an example of
a) Application Software
b) System Software
c) Hybrid Software
d) None of these
- (xiv) ICT stands for
a) Informatics communication Technology
b) Informatics Communication Team
c) Information & Communication Technology
d) None of these
- (xv) in knowledge management, the term information relates to the type of questions comprising of
a) What
b) How
c) Why
d) None of these
- (xvi) Which of the following is known as a set of entities of the same type that share same properties, or attributes?
a) Relation set
b) Tuples
c) Entity set
d) Entity Relation model
- (xvii) The ability to query data, as well as insert, delete, and alter tuples, is offered by
a) TCL (Transaction Control Language)
b) DCL (Data Control Language)
c) DDL (Data Definition Language)
d) DML (Data Manipulation Language)
- (xviii) To access the services of the operating system, the interface is provided by the
a) Library
b) System calls
c) Assembly instructions
d) API
- (xix) Sum of the square of the deviations about mean is
a) Maximum
b) minimum
c) zero
d) none
- (xx) What technology is primarily associated with enhancing water quality in agri-informatics?
a) GPS-guided equipment
b) Artificial intelligence
c) Solar energy
d) Radio broadcasting

Group-B

(Short Answer Type Questions)

2.5 x
10=25

2. How can GIS help in farm planning? (2.5)
3. Why is IoT important for livestock farms? (2.5)
4. How does AI assist in predicting crop diseases? (2.5)
5. Describe the impact of accurate weather forecasts. (2.5)
6. What tasks can robots perform in farming? (2.5)

7. Define database and database management system. (2.5)
8. What roles can robots play in agriculture? (2.5)
9. Write down the advantages and disadvantages of expert system. (2.5)
10. How can VRT reduce environmental impact? (2.5)
11. Explain how GIS assists in precision farming. (2.5)

OR

What benefits does big data analytics offer in agriculture? (2.5)

Group-C

(Long Answer Type Questions)

5 x 1=5

12. Discuss different types of computer models in agriculture. (5)

OR

Write the steps for creating and resizing the chart. (5)

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