GIET UNIVERSITY, GUNUPUR – 765022

B. Sc. (Ag.) (Third Semester) Examinations, February – 2023

AS-212 – Agricultural Informatics

Time: 2 hrs   Maximum : 50 Marks

The figures in the right hand margin indicate marks.

PART – A

Q.1. Fill in the blanks with suitable word / figure.   **(0.5 x 10 = 5 Marks)**

a. SIS Stands for _____.

b. _____is an example of Crop Simulation Model.

c. _____ is regarded as the father of Java.

d. Online Crop Contingency Plan is prepared by _____.

e. Oracle Server is developed by _____

f. IBM Stands for _____.

g. _____ Web browser is released by Google.

h. 1 Tera Byte= ____ Bytes

i. _____ is regarded as the father of GIS.

j. _____document of MS-Office is used for presentations.

Q. 2. Define (or) Explain the following in one or two sentences.   **1 x 5 = 5 Marks)**

a. Operating System

b. Smart Farming

c. GPS

d. CPU

e. Oracle

Q3. Match the following   **(0.5 x 10 = 5 Marks)**

	Column – A			Column – B
(a)	Land Info		(i)	Provide online market places
(b)	GIS		(ii)	Crop Simulation Model
(c)	Internet		(iii)	Computer Programming Language
(d)	Kheti Badi		(iv)	Geospatial Technology
(e)	HTML		(v)	Semantic Component of WWW
(f)	Smartcrop		(vi)	Structural component of WWW
(g)	APSIM		(vii)	Weather report
(h)	Kisan Suvidha		(viii)	Provide information about specific area
(i)	Python		(ix)	Maximize productivity,
(j)	Agri smart		(x)	Promotes organic Farming

Q4. Write True or False against each statement **(0.5 x 10 = 5 Marks)**

a. HTML is a structural component of World Wide Web.

b. Agri App is a mobile solution for enabling the coconut value chain in India.

c. e-Agriculture bridge the gap between Agri Researchers, Extension agents and Farmers.

d. Video based learning is a feature of Agri Market Apps.

e. DB2 is founded by IBM.

f. Multiple rows are only available in DBMS

g. Operational Database is the more basic form of Database.

h. Remote Sensing is used for Crop Mapping & Yield estimation.

i. Smart Fertilizer management is an example of Decision Support System.

j. Oracle database is founded by Microsoft.

PART – B

Attempt *ANY FIVE* questions. All question carries equal marks **(6 x 5 = 30 Marks)**

5. Explain the Concepts of Decision Support System & Soil Information Systems.

6. What do you Mean by E-Agriculture? Explain the Role of ICT in Agriculture.

7. Explain the concept of Contingency Crop Planning? Describe the Use of GIS & GPS in Agriculture.

8. What do you Mean by Information & Communication Technology (ICT)? Explain the Structural component of World Wide Web.

9. Briefly explain the Use of Database Management Systems (DBMS) in Agriculture? Describe the different types of Database.

10. How Smartphone Apps helps farmer for getting valuable information? Explain the use of Smartphone apps in Agriculture for Farm advice, agro advisory & Market Price with suitable examples

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