Reg. No.										

GIET UNIVERSITY, GUNUPUR – 765022

B. Sc. (Ag.) (Third Semester) Regular Examinations, January – 2024

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. Keyboard is a _____ device?
b. _____ option is used to merge two or more cell together in a table?
c. District level contingency plan is prepared by _____
d. Full form of CPU is _____
e. _____ is called father of GIS
f. For quantitative analysis of crop, _____ model is used.
g. Row is called _____ in RDBMS
h. _____ option is used to switch between portrait and landscape layout?
i. The 1st GIS product is _____
j. C,C++,JAVA are _____ type of language?

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

a. WOFOST
b. URL
c. GIS
d. Contigency plan
e. Agriculture drone

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

Column – A			Column – B	
(a)	KRISHI GYAN		(i)	A temporary storage
(b)	Crop syst		(ii)	Agri video category app
(c)	C, C++, JAVA		(iii)	Fibre Crop
(d)	DATABASE		(iv)	Developed by IRRI
(e)	DSS		(v)	Expected outcome/plan
(f)	Contingency plan		(vi)	SQL
(g)	Buffer		(vii)	HLL
(h)	AgriMedia		(viii)	Crop simulation model
(i)	Jute		(ix)	Smart phone app
(j)	Rice doctor		(x)	Collecting data from sensor

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

a. A group of work sheets is called text book [ ]
b. WOFOST is a crop simulation model [ ]
c. Gehoon Doctor is developed by IWBR. [ ]
d. The extension of MS Word is .xlsx [ ]
e. C++, JAVA are low level language. [ ]
f. Temporary storage is called a buffer. [ ]
g. Expected outcomes or plan is called contingency plan. [ ]
h. SQL Server is used for database. [ ]
i. Collecting data from one or many sensor is called DSS. [ ]
j. The process of building model and analysing them is called simulation. [ ]

PART – B

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

5. Write down the different uses of GPS & GIS in agriculture.
6. Write down the benefits of DSS application in agriculture.
7. Enlist the name and key benefits of any 5 smart phone app for agro advisory in agriculture.
8. Write down the step wise procedure for preparation of contingency crop plan.
9. How to estimate the water requirement for crop? Draw a neat labeled diagram.
10. Write down the characteristics and application of crop simulation model.

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