QPC: RN23BSCAG093	Reg.					



## GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR (GIET UNIVERSITY)

AY - 23

B. Sc. (Ag.)(Third Semester) Examinations, November – 2024 **AS-212 – Agricultural Informatics** 

Time: 2 hrs Maximum: 50 Marks

## The figures in the right hand margin indicate marks. $PART-A \label{eq:partial}$

Ų.1.			th suitable word / figur	e <b>.</b>		$(0.5 \times 10 = 5 \text{ Marks})$			
a.	Mouse is a		unit.						
b.					= =				
c.	The option which is used to switch between portrait and landscape layout is								
d.	Model is used for quantitative analysis of crop.								
e.									
f.	•		ŭ	_	er in a table?				
g.	In RDBMS, row is called								
h.	The 1st GIS product is								
i.	Full form of CPU is District level contingency plan is prepared by								
j.	District level co	mung	ency pian is prepared by						
Q. 2	. Define (or) Ex	plain	the following in one or	two sent	tences.	$(1 \times 5 = 5 \text{ Marks})$			
a.	GPS								
b.	SIS								
c.	Statistical mode	el							
d.	Browser								
e.	CSM								
03	. Match the foll	owing				$(0.5 \times 10 = 5 \text{ Marks})$			
· C	Column – A			Column – B	(000 10 10 10 10 10 10 10 10 10 10 10 10				
		(a)	PLANTIX	(i)	HLL				
		(b)	WOFOST	(ii)	Collecting data from sens	sor			
		(c)	COBOL/FORTAN	(iii)	Agri video category app				
		(d)	DATABASE	(iv)	Fibre Crop				
		(e)	DSS	(v)	Developed by IRRI				
		(f)	Contingency plan	(vi)	A temporary storage				
		(g)	Buffer	(vii)	SQL				
		(h)	AgriMedia	(viii)	Crop simulation model				
		(i)	Jute	(ix)	Smart phone app				
		(j)	Rice doctor	(x)	Expected outcome/plan				

Q4	. Write True or False against each statement	$(0.5 \times 10 = 5 \text{ Marks})$					
a.	Collecting data from one or many sensor is called DSS. [						
b.	The process of building model and analysing them is called simulation. [						
c.	The extension of MS EXCEL is .docx [ ]						
d.	The basic unit of database is called table. [						
e.	Crop syst is a crop simulation model. [ ]						
f.	Temporary storage is called a buffer. [ ]						
g.	Google chrome, Mozilla fire fox, Safari, IE etc are called Web browser. [						
h.	Rice Xpert provides real time data on insect pest, nutrients, weeds and disease rela	ated problems. [ ]					
i.	Rice Doctor is a smart phone app developed by IRRI, Philippines. [						
j.	Contingency plan is a plan devised for an outcome other than the usual plan. [	]					
A 44	PART – B tempt <i>ANY FIVE</i> questions. All question carries equal marks	$(6 \times 5 = 30 \text{ Marks})$					
Au	tempt ANT FIVE questions. An question carries equal marks	$(0 \times 5 = 50 \text{ Wialks})$					
5.	Write down the importance of IT in agriculture?						
6.	What is CSM? Write its application in agriculture?						
7.	Draw a neat label diagram and explain the water & nutrient requirement for crop	?					
8.	How mobile apps helps farmer?						
9.	Briefly explain about CROP-SYST & WOFOST?						
10.	Write down different types of Geospatial Technology used as agricultural industri	ry application?					
	End of Paper						