Total No. of Questions :8]		SEAT No. :
P1869	[4850]_1056	[Total No. of Pages :2

[4859]-1056

B.E. (Electronics)

C-ELECTRONICS IN AGRICULTURE				
ive -II)	12 Pattern) (End Sem.) (Semester - I) (404205) (Elect	(201		
ux. Marks :70	,			
	ions to the candidates:	Instructi		
	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6 and Q.7 or Q.8. Neat diagrams must be drawn wherever necessary. Assume suitable data, if necessary.	1) 2) 3)		
[8]	Define Data Logger and State its applications in Agriculture.	<i>Q1)</i> a)		
sing virtual [8]	Draw and Explain block diagram of agricultural robot us instrumentation.	b)		
[4]	State the factors influencing PH.	c)		
	OR			
n any two in [8]	State types of soil moisture measuring techniques and explain detail.	Q2) a)		
ne in detail. [8]	State the different techniques for measuring PH. Explain any o	b)		
e. [4]	List various types of Sensors used in the field of Agriculture	c)		
nanagement [6]	Explain uses of remote sensing in agricultural and water m sector.	Q3) a)		
culture? [6]	What are the constraints for farmers to adopt precision Agric	b)		
[6]	Write a note on Farm Management Information System.	c)		
	OR			
sectors?[6]	How precision farming is applicable within fruits & vegetables	Q4) a)		
[6]	State & explain components of precision farming.	b)		
[6]	State the applications of GPS in Agriculture.	c)		

Q5)	a)	What do you mean by Yield Monitoring & Mapping?	[6]			
	b)	List the types of Spraying Equipment and explain any one in detail.	[6]			
	c)	State the various aspects of crop protection.	[4]			
OR						
Q6)	a)	State various precision Agriculture technologies & its applications.	[6]			
	b)	Discuss Climate control in the Greenhouse for Protected cultivation	.[6]			
	c)	Explain the concept of Weed activated spraying.	[4]			
Q7)	a)	Write a note on Agricultural weather monitoring system.	[6]			
	b)	Explain the Governance products & services in the field of Agriculture	.[6]			
	c)	What are the benefits of Greenhouse Automation?	[4]			
		OR				
Q8)	a)	Describe the Roles of Electronic Governance in Agriculture sector.	[6]			
	b)	Draw & explain Electronic Control System for grape drying process	.[6]			
	c)	List various services provided on Agricultural Portal.	[4]			