Reg.No:

SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)
Coimbatore – 641 035.

Internal Assessment -II
Academic Year 2023-2024 (Even)
Fourth Semester
Agricultural Engineering

B

19AGT203 &Automation Techniques in Agriculture Engineering

Time: $1^{1/2}$ Hours **Maximum Marks: 50**

Answer All Questions

			CO	Blooms	
		PART - A (5 x 2 = 10 Marks)			
1.		List the types of biomass.	CO2	REM	**2**
2.		Infer Biochemical Biomass Conversion.	CO2	UND	**2**
3.		Prioritize the necessity of pyrolysis conversion.	CO2	EVA	**2**
4.		State the benefits of using agriculture sensors.	CO3	REM	**2**
5.		Where are pressure sensors used in agriculture.	CO3	REM	**2**
		PART – B (13+13 = 26 Marks & 1 x 14 = 14 Marks)			
6.	(a)	Illustrate in detail about the methods of utilizing biomass resources with a neat sketch.	CO2	APP	**13**
		(or)			
	(b)	Define thermochemical conversion and explain the method involved in thermochemical conversion with a neat sketch.	CO2	EVA	**13**
7.	(a)	Discuss in detail about types of sensors with a neat sketch.	CO3	UND	**13**
		(or)			
	(b)	Outline the types of moisture sensors in detail along with their working principle and neat sketch.	CO3	ANA	**13**
8.	(a)	Characterize in detail the types of combustion technology for generating alternate sources of energy along with the procedures involved.	CO2	ANA	**14**
		(or)			
	(b)	Recommend the best sensor among temperature and humidity sensors for agricultural fields along with its types, working principle, and neat sketch	CO3	EVA	**14**

Bloom's Taxonomy: REM – Remember; **UND** – Understand; **APP**– Apply; **ANA**– Analyze; **EVA –**Evaluate; **CRE -** Create

Prepared By **Verified By** **Dean/Agri.Engg**

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