

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
Diploma Engineering, Mid semester Examination

Semester:

Date: (23/01/2023)

Subject Code: (03608257)

Time: (1hr: 30min)

Subject Name: (Electronics Equipment and Maintenance)

Total Marks: 40

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

Q.1	Answer any six out of Ten. (2 Marks Each)	(12)	Co/Po Name	Blooms Taxonomy Words
	1. Describe AC and DC. Give example.		CO2	Understand
	2. What is Inductor?		CO1	Understand
	3. What is Troubleshooting?		CO1	Knowledge
	4. Define LDR. Draw the symbol of LDR		CO2	Knowledge
	5. What is NTC?		CO1	Understand
	6. Write an Applications of Thermistor.		CO1	Knowledge
	7. List of passive components.		CO3	Apply
	8. How the CRO probes are working?		CO2	Analyze
	9. Define Active Component. Give example.		CO2	Knowledge
	10. what is Pictorial Diagram? Give example		CO1	Understand
Q.2	A) What is variable capacitor? List out types of Capacitor	(03)	CO2	Apply
	OR			
	A) what is Thermistor? Explain types of thermistors	(03)	CO2	Apply
	B) Explain Digital Multimeter.	(03)	CO2	Apply
	OR			
	B) Give the difference between service manual and Maintenance manual.	(03)	CO1	Understand
	C) Describe Photoresistor and explain anyone in detail.	(04)	CO2	Understand
	OR			
	C) Explain Potentiometer in detail.	(04)	CO3	Apply
	C) Discriminate Measurement Techniques.	(04)	CO3	Analyze
Q.3	A) Give difference between circuit diagram and wiring diagram.	(03)	CO1	Understand
	OR			
	A) What is component failure? Describe failure in Inductor, capacitor and resistor	(03)	CO3	Understand
	B) Explain Trimmer in detail	(03)	CO2	Understand
	OR			
	B) List out measuring instruments and explain anyone in detail.	(03)	CO2	Apply
	C) Explain Testing of P-N Junction Diode.	(04)	CO3	Understand
	OR			
	C) Explain the front panel of CRO.	(04)	CO2	Analyze
	D) Explain any two Troubleshooting techniques.	(04)	CO1	Analyze

ગુજરાતી

પ્રશ્ન.૧ દસમાંથી કોઈપણ છ જવાબ આપો. (દરેક માટે ૨ ગુણ)

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