Total No	o. of Questions : 8] SEAT No. :
P-605	[Total No. Of Pages : 2
	[6004]-554
	B.E. (E&TC)
ELE	CTRONIC PRODUCT DEVELOPMENT (Elective - IV)
	(404185B) (2019 Pattern) (Semester-VII)
Time: 2	½ Hours] [Max. Marks: 70
	ons to the candidates:
1)	Neat diagrams must be drawn wherever necessary.
2)	Figures to the right indicate full marks.
3)	Use of logarithmic tables slide rule, mollier charts, electronic pocket calculator
	and steam tables is allowed.
<i>4</i>)	Assume suitable data, if necessary.
Q1) a)	Explain the following terminologies: [8]
	Risk Abatement and Failure Preventions
	ii) Software Bugs and Testing
	iii) Good programming practice
b)	Explain software design with any case study and design example. [9]
	OR
02)	
Q2) a)	Describe traditional software lifecycle with reference to Waterfall Model.
	Sales!
b)	Illustrate prototyping model and spiral model for software development
	[9]
Q3) a)	Explain assembly and materials required with factors affecting on costing
	of PCB. [9]
Ch	Explain configurations of routing topologies in PCB layout designing[9]
	Explain configurations of fouring topologics in CD layout designing[9]
	OR OR

Interpret the role of proper component placement in PCB

How can we improve reliability over failure in PCBs?

[9]

[9]

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Q4) a)

b)

Q 5)	a)	What are the different steps in the debugging? Differentiate debugging from troubleshooting.	ng 9]
	b)	Explain the following terms with example:	9]
		i) Prototyping and Testing	
		ii) Integration	
		iii) Validation and Verification	
		iv) Manufacturing	
		OR SCO	
		C) m	
Q6)	a)	Define debugging process and explain steps of debugging.	9]
		96.	
	b)	State the important parameters to be considered while selecting passive and switching components	
		active and switching components.	9]
Q 7)	a)	Explain the need of documentation? [8	8]
	b)	Explain with example what do you mean by preparation, presentation ar	
		preservation of documents. [9	9]
Q 8)	a)	Describe the need and types of documentation.	8]
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	b)	What are the different methods of preservation of documents? Explain.[9	9]
	7)		
		No.	
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