Total No	o. of Questions : 8]	SEAT No. :
P396	3 [5561]-65	8 [Total No. of Pages : 2
	B. E. (Electronics & Tele (	Communication)
	ELECTRONIC PROD	UCT DESIGN
	(2015 Pattern) (Elective-	II) (Semester - I)
<i>Time</i> : 2	1/2 Hours]	[Max. Marks : 70
Instruct	ions to the candidates:	
1)	Answers the Q. 1 or Q. 2, Q. 3 or Q. 4, Q.	5 or Q. 6, Q.7 or Q.8.
2)	Neat diagrams must be drawn wherever ne	ecessary.
3)	Figures to the right side indicate full mar	rks.
4)	Use of calculator is allowed.	

5)	Assume suitable data if necessary.	
<b>Q1)</b> a)	Write a short note on following:	[12]
	i) Cognition	
	ii) Safety	
	iii) Grounding	
b)	Explain in detail system partitioning.	[4]
c)	Discuss in brief about risk management in software testing.	[4]
	OR	

	OK	
<b>Q2)</b> a)	Write short notes on:	Ę
	i) Black box test.	
	ii) White box test.	
	iii) Gray box test.	
h)	Discuss in detail user centered design	

b)	Discuss in detail user centered design.		[4]
c)	Explain in detail Ergonomics.	3	[4]

Q3) a) Explain models, metrics and software limitations. [8]

b) What are the different types of PCB? Explain one. [5]

c) Explain grounding methodologies. [5]

OR

<b>Q</b> 4)	a)	Discuss about PCB partitioning Design Rules for EMC improvement.	
	b)	Explain waterfall model of software development.	[8] [5]
	a)	What is Defeat/Due? What is defeat life evale?	
	c)	What is Defect/Bug? What is defect life cycle?	[5]
Q5)	a)	Explain EMI & EMC issues in detial.	[8]
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	b)	Differentiate between active components & passive components.	[4]
	c)	Explain techniques for Troubleshooting.	[4]
		OR	
<i>Q6)</i>	a)	Explain Analog-Digital conversion in detail.	[8]
	b)	Define debugging process and explain steps of debugging.	[8]
Q7)	a)	Define documentation & Explain the need of documentation.	[8]
	b)	Write a short note on following:	[8]
	0)	i) Records	[4]
		ii) Accountability	
		OR	3
Q8)	a)	Discuss in detail visual techniques with example.	[8]
20)	u)		լսյ
	b)	Write short note on any two of the following:	[8]
		i) Liability	
		ii) Bill of material	
		Write short note on any two of the following:  i) Liability  ii) Bill of material	
		80.	