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BIEL-026

DIPLOMA - VIEP - ELECTRONICS AND COMMUNICATION ENGINEERING (DECVI) / ADVANCED LEVEL CERTIFICATE COURSE IN ELECTRONICS AND COMMUNICATION ENGINEERING (ACECVI)

Term-End Examination December, 2015

BIEL-026: PCB DESIGN AND TESTING

Tir	ne : 2	hours Maximum Marks:	Maximum Marks : 70	
Note: Attempt five questions in all. All questions carry equal marks.				
1.	(a)	What do you mean by signal generator? Also explain its working.	7	
	(b)	Draw and explain the V – I characteristics of a diode.	7	
2.	Draw the block diagram of an analog multimeter. What are the advantages of a digital multimeter over an analog multimeter?			
3.	(a)	What are the various specifications for signal generators? Also explain its limitations.	7	

	(b)	What do you mean by passive components? Explain the testing procedure of passive components and define their applications.		
4.	Exp	o you mean by computer aided artwork? the different steps involved in computer rtwork. 14		
5.	(a)	Draw the block diagram and circuit diagram of a 5 volt power supply.		
	(b)	What are the advantages of etching process? Give the names of various types of etching solutions.		
6.	diff	olain double-sided PCB. What are the erences between double-sided PCB and gle-sided PCB?		
7.		te short notes on any two of the owing: $2 \times 7 = 14$		
	(a)	PSPICE		
	(b)	Simulink		
	(c)	MATLAB		