



RA-0755

Second Year B. Sc. Examination

March / April – 2010

IDS : (CAN) PCB Design & Technology

Time : Hours]

[Total Marks : 35

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
☛ S. Y. B. Sc.	<input type="text"/>
Name of the Subject :	<input type="text"/>
☛ IDS : (CAN) PCB Design & Technology	<input type="text"/>
☛ Subject Code No. : <input type="text"/> 0 <input type="text"/> 7 <input type="text"/> 5 <input type="text"/> 5	<input type="text"/>
☛ Section No. (1, 2,.....) : Nil	<input type="text"/>
	Student's Signature

- (2) Question 1 is compulsory.  
(3) Symbols have their usual meaning.  
(4) Draw neat diagrams to support your answer.

- 1 Answer in brief : 10  
(a) What is a PCB?  
(b) Give the names of film emulsions.  
(c) What is etching?  
(d) Define : Scale  
(e) Define the modes of propagation.
- 2 (a) Explain ground and supply lines noise for digital circuit PCB. 7  
(b) Explain capacitance of PCB conductors. 6
- OR
- 2 (a) Discuss the physical characteristics of laminates. 7  
(b) Write a note on PCB size. 6
- 3 (a) What is a plating? Give the names of different plating techniques. Explain one of them in detail. 10  
(b) Explain : Layout. 2
- OR
- 3 (a) Explain the board cleaning process. Explain manual cleaning and machine cleaning in detail. 10  
(b) Explain : Grid System. 2