



DMM-3064

Second Year B. Sc. (Electronics) (Sem. IV) Examination

March / April - 2016

Generic Elective : PCB Design & Technology

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दर्शावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लपनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
Second Year B. Sc. (Electronics) (Sem. IV)	<input type="text"/>
Name of the Subject :	<input type="text"/>
Generic Elective : PCB Design & Technology	<input type="text"/>
Subject Code No. : <input type="text"/> 3 <input type="text"/> 0 <input type="text"/> 6 <input type="text"/> 4	<input type="text"/>
Section No. (1, 2,.....): Nil	
	Student's Signature

- (2) Figures on the right indicates full marks.
- (3) All symbols and abbreviations have their usual meaning.
- (4) Non-programmable calculators are allowed.
- (5) Q. 1 is compulsory.
- (6) Assume data if necessary.

1 Answer in brief -

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|-------------------------------------------------------------------------|---|
| (1) What are the constituents of copper clad? | 3 |
| (2) What is resin? | 3 |
| (3) On which factor size and number of PCB depends? | 3 |
| (4) What is modular arrangement of PCB? | 3 |
| (5) Mention different types of etching. | 2 |
| 2 (A) What is parasitic effect of capacitance? How can you minimize it? | 6 |
| (B) Explain plating, different techniques for plating. | 6 |

OR

- 2 (A) Explain mechanical drawing of PCB. 8
(B) Discuss double sided PCB and its significance 4
- 3 (A) What are the rules for preparing PCB? 8
(B) What is film master? 4
- OR**
- 3 (A) Discuss about general check list for layout design,. 6
(B) What are fillers and copper foil? 6
- 4 (A) Write down the properties of laminates. 8
(B) What are the factors we have to consider for the choice of echants? 4
- OR**
- 4 (A) Draw the block diagram of dark room. 7
(B) Name the mechanical operations of PCB. 5
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