



J-0881
Second Year B. Sc. Examination
April/May – 2013
PCB Design Technology
(IDS CAN Course For Electronics)

Time : Hours]

[Total Marks : 35

Instructions :

(1)

<p>નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <input style="width: 90%;" type="text" value="S. Y. B. Sc."/></p> <p>Name of the Subject : <input style="width: 90%;" type="text" value="PCB Design Technology"/></p> <p>Subject Code No. : <input style="width: 20px;" type="text" value="0"/> <input style="width: 20px;" type="text" value="8"/> <input style="width: 20px;" type="text" value="8"/> <input style="width: 20px;" type="text" value="1"/> Section No. (1, 2,.....) : <input style="width: 40px;" type="text" value="Nil"/></p>	<p>Seat No. : <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>
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- (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.

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|---|---|----|
| 1 | (a) What is a copper clad ? | 08 |
| | (b) What material is used for etching process ? | |
| | (c) What is a PCB ? What is a grid on PCB design tool ? | |
| | (d) What is grid ? | |
| | (e) Define : Layout. | |

- | | | |
|---|---|----|
| 2 | (a) Explain ground and supply lines noise for digital circuit PCB ? | 07 |
| | (b) Write a note on PCB size. | 06 |

OR

- | | | |
|---|--|----|
| 2 | (a) Discuss the general artwork rules. | 07 |
| | (b) Explain capacitance of PCB conductors. | 06 |

- 3** What do you mean by film master ? Explain steps **12**
involved in preparing a film master from photographic film.

OR

- 3** What is plating ? State the names of different plating **12**
techniques. Explain one of them.
