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)

(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 -
(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

DMM-3064] 1 [Contd...
2  (A) Explain mechanical drawing of PCB.  

(B) Discuss double sided PCB and its significance  

3  (A) What are the rules for preparing PCB?  

(B) What is film master?  

OR  

3  (A) Discuss about general check list for layout design,.  

(B) What are fillers and copper foil?  

4  (A) Write down the properties of laminates.  

(B) What are the factors we have to consider for the choice of echants?  

OR  

4  (A) Draw the block diagram of dark room.  

(B) Name the mechanical operations of PCB.