AC-3064

B. Sc. Electronics (Sem. IV) Examination
April / May – 2015
Paper : Generic Elective
(P C B Desing & Technology)

Time : Hours] [Total Marks : 50
Instructions :
(1) Fill up strictly the details of signs on your answer book.
Name of the Examination:
B. SC. ELECTRONICS (SEM. IV)
Name of the Subject:
PAPER : GENERIC ELECTIVE
Subject Code No. 3 0 6 4 Section No. (1, 2,.....) Nil

(2) Figure 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.

Q:1 Answer in brief:
1 What is line photography? 03
2 What is resin? 03
3 Where do you require a horizontal type camera? 03
4 What is emulator material? 03
5 Give names of two layers on the film master 02

Q2(A) Draw the block diagram of dark room. 08
(B) Why realization of source and ground conductor is of highest importance? 04

OR

Q2(A) How can you minimize the parasitic effect of capacitance? 06
(B) Explain plating, different techniques for plating 06
Q3(A) Explain mechanical drawing of PCB. 08
(B) How PCB can be free from soils and dirt? 04

OR

Q3 (A) Explain advantage and disadvantage of modular arrangements. 08
(B) Write notes on fillers and copper foil? 04
Q4 (A) Describe the method of photo printing 08
(B) Name the mechanical operations of PCB. 04

OR
Q4 (A) What is etching and its different types? What factors are to be considered for the choice of echants?

(B) Write down the steps in film processing.