



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)

नीचे दर्शायेव निशानीवाणी विगतो उतरवडी पर अवश्य कपनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
B. SC. ELECTRONICS (SEM. IV)	<input type="text"/>
Name of the Subject :	<input type="text"/>
PAPER : GENERIC ELECTIVE	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="6"/> <input type="text" value="4"/>	<input type="text"/>
Section No. (1, 2,...): <input type="text" value="Nil"/>	
Student's Signature	

- (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.I 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

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[Contd...

- Q4 (A)** What is etching and its different types? What factors are to be considered for the choice of etchants? **07**
- (B)** Write down the steps in film processing. **05**
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