



RA-0748

Second Year B. Sc. Examination

March / April – 2010

IDS : Circuit Simulation

Time : Hours]

[Total Marks : 35

Instruction :

नीचे दशांश देव निशान्नीवाणी विगतो उत्तरवडी पर अवश्य लपवी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
S. Y. B. Sc.

Name of the Subject :  
IDS : Circuit Simulation

Subject Code No. : 0 7 4 8 Section No. (1, 2,.....): Nil

Seat No. :

Student's Signature

- 1 Write very short answers : 5
- (i) What material is used for etching process?
- (ii) What do you mean by simulation?
- (iii) What is a copper clad?
- (iv) What are part libraries in schematic design tool?
- (v) What are part numbers and part values?

- 2 (a) What is project manager in Microsim Design Lab? 5
- (b) How will you place components on the schematic page? 5

OR

- 2 What are component libraries? How can you place component on the schematic page? Discuss the method of interconnecting components in a schematic page. 10

- 3 What are tracks and pads on a PCB? How their size is changed? What are footprints? 10

OR

- 3 Discuss any two footprints of your choice with their mechanical dimensions. 10

- 4 Write Short Notes : (any two) 10

- (i) Browsing part libraries
- (ii) Footprint libraries
- (iii) Etching process
- (iv) Transferring art work on copper clad.