AC-3306
Second Year B. Sc. (Electronics) (Sem. IV) Examination
March/April – 2015
Paper : Generic Elective
(Circuit Simulation)

Time : 2 Hours] [Total Marks : 50
Instructions :
(1) Fill up strictly the details of # signs on your answer book.
Name of the Examination :
SECOND YEAR B. Sc. (ELECTRONICS) (SEM. 4)
Name of the Subject :
PAPER : GENERIC ELECTIVE
Subject Code No. : 3306
Section No. (1, 2,.....) : Nil

(2) All questions are compulsory
(3) Question -1 carries 10 marks
(4) Questions -2 and 3 carry 15 marks each
(5) Question -4 carries 10 marks
(6) Symbols and terminology used here have their usual meanings.
(7) Scientific calculator is allowed.
(8) Mobile ( Cell phones)are strictly prohibited.

1 Write short answers : [10]
   (1) What is Snap –to-Grid and what is snap-to-pin? 2
   (2) Define Importing and Exporting in Microsim schematic? 2
   (3) What is use of Mocrosim schematic? 2
   (4) Differentiate between PADS and PADSTACKS 2
   (5) Define probe. 2

2 Answer the following : 15
   (1) Discuss about the "AKO creating and AKO editing " in your own words 8
   (2) Explain about the Creating and Editing Pin and Padstacks for Schematic. 7

OR

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[Contd...
2  (1) Discuss about drawing a Schematic.  8  
    (2) How and where will you use Design Manager for schematic.  7  

3  Answer the following :  15  
    (1) Discuss about the " Schematic Editor ".  8  
    (2) Explain about the creating and Editing hierarchical design for schematic.  

OR  

3  (1) Discuss about the Post processing for PCB.  8  
    (2) Explain the role of footprints for PCB.  7  

4  Write short notes : (any two)  10  
    (1) ECO process  
    (2) Microsim Footprint library  
    (3) Symbol Editor for Microsim Schematic  
    (4) Stimulus editor.