A-3038

B. Sc. (Electronics) (Sem. III) Examination
March/April – 2015
Circuit Simulation
(Generic Elective Paper)

Time : 2 Hours] [Total Marks : 50

Instructions :

(1) Fill up strictly the details of sign on your answer book.

Seat No.:

B. Sc. (Electronics) (Sem. III)
Name of the Subject :
Circuit Simulation (Generic Elective Paper)
Subject Code No. : 3 0 3 8 Section No. (1, 2,.....): 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.1 is compulsory.
(6) Assume data if necessary.

1 Answer in brief : 14

1. How will you open the design manager outside the Microsim programs?
2. What do you mean by annotation graphics?
3. What are two types of libraries that schematics can recognize?
4. What is a grid?
5. Define Pspice.
6. Write the full form of DRC.
7. What is probe?

2 (A) Explain how to create and edit models. 8
(B) Mention which files are generated by the schematics when you begin the simulation process.

OR

A-3038] [Contd...
2. (A) Describe how you will create a simple diode clipper circuit using Micrisim schematics.  
   (B) Define global parameters.

3. (A) Which shortcuts are provided in the drawing toolbar?  
   Explain each briefly.
   (B) What are the steps to be taken to remove a library name?  
   OR

3. (A) Discuss DC sweep analysis with an example.  
   (B) Explain probe data file.

4. (A) Explain stimulus editor in detail  
   (B) Describe the contents of PSpice output file.  
   OR

4. (A) Discuss Monte Carlo and sensitivity/ worst case.  
   (B) What is statistical analysis?