M. Sc. (ECI) (Sem. III) (CBCS) Examination

October/November - 2017

Paper - 12 : Circuit Simulation & PCB Designing

(New Course)

Faculty Code : 003

Subject Code : 1273003

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

Instructions : (1) All questions carry equal marks.

(2) Figures on right hand side indicate marks.

1   Answer the following : (Any Seven)   14

   1.   Write a function of Dot and Generator.

   2.   Specify a given symbols.

   3.   Which content are include in Gadget Icons?

   4.   Which commands is in VIEW menu?

   5.   What is use of GRID?

   6.   What is do Terminal and Device pin command?

   7.   Which contain is include in Generator Mode?

   8.   How many types of zoom are available in Proteus?

   9.   Draw a symbol of Led and Diode.

   10.   Draw a symbol of Button and Inductor.

2   Answer the following : (Any Two)   14

    1. Write about operation of Monostable multivibrator   7
        using 555.

    2. Write a function of Instruments in PROTEUS.   7

    3. Write about CO-ORDINATE SYSTEM.   7

3   Answer the following :   14

    1. Draw an OR, NOT gate circuit using transistor.   5

    2. Specify a given symbols.   5

    3. Draw a circuit of Astable Multivibrator using NE555.   4

                                OR

3   Answer the following :   14

    (1) Discuss Object properties with its type.   7

    (2) How to browse component in PROTEUS ?   7

4   Answer the following :   14

    1. How to Starting a New Design in PROTEUS ?   7

    2. Write a note Editing Global Styles.   7

5   Answer the following : (Any **two**)   14

    (1) Write about WIRE LABELS.   7

    (2) Write a note on GENERAL EDITING FACILITIES.   7

    (3) Write a note on Placing Components.   7

    (4) Which function are include in Probes ?   7