

S.B. Roll No.....

**COMPUTER PROGRAMMING AND APPLICATION**  
**3<sup>RD</sup> Exam/ECE/ETV/ECE-II/0618/0264/Nov' 2016**

**Duration: 3Hrs**

**M. Marks : 75**

**SECTION – A**

**Attempt all Questions**

**15x1=15**

- a. && is \_\_\_\_\_ operator in C.
- b. 'C' language uses the \_\_\_\_\_ as a statement terminator.
- c. CAI stands for \_\_\_\_\_ .
- d. Arrays contains \_\_\_\_\_ type of elements.
- e. Compiler converts program written in source code into object code.(T/F)
- f. The \_\_\_\_\_ statement causes the loop to be terminated.
- g. To close a database file the command is \_\_\_\_\_
- h. The keyword void is a data type in 'C' (T/F).
- i. The \_\_\_\_\_ operators allow the comparison of two expression.
- j. Pointers are declared by using the \_\_\_\_\_ .
- k. If – else statement is used to decide between two course of actions. (T/F)
- l. By using an algorithm , decision making becomes a more \_\_\_\_\_ process.
- m. \_\_\_\_\_ enable us to specify the flow of program control.
- n. PSIM covers \_\_\_\_\_ and system level simulation.
- o. In C , size of an int variable is \_\_\_\_\_ bytes.

**SECTION – B**

**Q2. Attempt any five Questions**

**5x6=30**

- a. What is flowchart. Explain its advantages and disadvantages.
- b. Explain primary data types with the size and range.
- c. Write a short note on history of C Language.
- d. What is the structure of C program.
- e. Differentiate between Pointer and a file.
- f. Discuss strings. Write a note on string handling functions with examples.
- g. Briefly explain the steps involved in development of a program.

**SECTION – C**

**Attempt any three Questions**

**3x10=30**

- Q3 Explain storage classes which can be used in a C program.
- Q4 Describe the various types of operators available in C language.
- Q5 Differentiate between following:
  - (i) Structure and Union
  - (ii) Structure and Array
- Q6 Explain PSIM in detail.
- Q7 Differentiate between high level language and machine language?