S.B. Roll No...

COMPUTER PROGRAMMING AND APPLICATIONS
3RD Exam /ECE/ETV/ECE(II)/0618/0264/May'17

Duration: 3Hrs   **M. Marks:75**

SECTION A

Q1. Do as directed: **10x1.5=15**

a) Compiler converts_____ language to machine language.

b) C- language uses _____ as statement terminator.

c) _____ statement causes loop to be terminated.

d) The _____ header file contains string functions.

e) Symbol for logical AND operator is _____.

f) In printf( ) function _____ specifier is used to print character type variable.

g) To read a character and simultaneously echo it on screen _____ instruction is used.

h) A switch statement can be replaced by a series of _____ statements.

i) A variable declared inside function is called_____.

j) Variables that hold memory addresses are called_____.

SECTION B

Q2: Attempt any five questions.   **5x6=30**

a) What is a flow chart? Write down advantages of flow charts.

b) What is a structure? How is it different from an array?

c) Explain if-else statement with the help of example.

d) How while statement is different from do-while?

e) What is a keyword? Explain with examples.

f) Explain advantages and disadvantages of arrays.

g) Differentiate between NULL and VOID pointers.

SECTION-C

Attempt any three questions.   **3x10=30**

Q3. What is a data type? Explain various data types supported by 'C'.

Q4. What is an array? Explain different types of arrays available in 'C'.

Q5. How a file is declared and opened in C? Write a program to open a file and print it on screen.

Q6. What is a function? Explain how values are passed from one function to another.

Q7. Write note on **any two:**

a. Electronics Workbench

b. Storage Class

c. ORCAD