

B.Tech. 2nd Semester F-Scheme Examination,
May-2018

**FUNDAMENTAL OF COMPUTER AND
PROGRAMMING IN C**

Paper-CSE-101-F

(Common for All Branches)

Time allowed : 3 hours] [Maximum marks : 100

Note : Q. No. 1 is compulsory and attempt four more questions selecting one question from each unit. All questions carry equal marks.

1. Write the short note on the following :
 - (i) What is DOS ?
 - (ii) Differentiate between SRAM and DRAM.
 - (iii) Differentiate between Linker and Loader.
 - (iv) Give a difference between High Level and Low Level Programming Language.
 - (v) What is Modulation ?
 - (vi) Differentiate between Arrays and Strings.
 - (vii) What is File ? Write its types.
 - (viii) Differentiate between Array and Union.

Unit-I

2. What do you mean by operating system ? Why it is called recourse manager. Also explain its types with suitable example.
3. (a) Write and explain the computer generation in detail.
(b) Give the advantages and disadvantages of computer.

Unit-II

4. (a) What is the relation between Compiler, Interpreter, Assembler, Loader and Linker ?
(b) What is Network ? Give its various Topologies.
5. Explain OSI Model in detail with its architecture and function of each layer.

Unit-III

6. (a) Write the statements used in Decision Making and Branching with their syntax.
(b) Write a program to find whether a string is palindrome or not.
7. What is string. How it is different from array ? Write any five inbuilt string functions in C.

Unit-IV

8. What are the differences between union and structure ? Also write a program which enters and displays the detail which has been mentioned below for a student.
- (a) Student Name
 - (b) Roll No.
 - (c) Result (Pass/Fail).
9. What is a File ? Write program which counts the no of alphabets, no of words, no of lines in a file.