

24006

B. Tech. 1st Semester F-Scheme Examination,

December-2014

**FUNDAMENTALS OF COMPUTER AND
PROGRAMMING IN C**

Paper-CSE-101-F

Time allowed : 3 hours]

[Maximum marks : 100

Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt five questions in all. Question No. 1 is compulsory and attempt one question from each unit.

1. (a) Differentiate between RAM and ROM.
- (b) Differentiate between DOS and UNIX.
- (c) What do you mean by HTTP ?
- (d) What is Backbone network ?
- (e) How structure differ from array ?
- (f) What is User Defined functions ?
- (g) How is a pointer variable declared and initialized?
- (h) What is Command line argument ?

Unit-A

2. (a) Write the name of five input device and five output device. Explain any two of them.
(b) What is microprocessor ? Explain the generation of microprocessor.
3. What is operating system ? What are the various function of operating system ? Explain the different type of operating system.

Unit-B

4. (a) Explain OSI reference model.
(b) Differentiate between
 - (i) Loader and Linker
 - (ii) High level language and Low Level language.
5. (a) Define computer network ? What is network topology ? Explain.
(b) Explain the different network connecting device.

Unit-C

6. (a) WAP that reads N number and find the smallest number among them.
(b) Explain different types of loop structure with their syntax and example.

7. (a) What is structure ? How is a structure member accessed ? How can a structure member be processed ?
- (b) Explain :
- (i) Union
 - (ii) Array of structure.

Unit-D

8. Explain the following with example :
- (i) Pointer increment and scale factor
 - (ii) Pointer as function argument
 - (iii) Array of pointer
 - (iv) Pointers to function.
9. (a) What are Dynamic memory allocation ? Explain with example.
- (b) WAP to count the number of words, character and lines in a file.