

Roll No. ....

**24006**

**B. Tech. Ist Semester**

**Examination – December, 2015**

**FUNDAMENTALS OF COMPUTER & PROG. IN 'C'**

**Paper : CSE-101-F**

*Time : Three Hours ]*

*[ Maximum Marks : 100*

*Before answering the questions, 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 total. Question No. 1 is *compulsory*. Attempt *one* question from each Section.

1. (a) Differentiate between single user and multiuser operating system.
- (b) Explain LAN, MAN, WAN in detail.
- (c) Explain decision making, branching and looping in C.
- (d) Write different functions related to file handling in C. 4 × 5 = 20

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8. Differentiate between Array of pointer and pointer to an array with suitable example. 20
9. (a) Write a code to open a file in binary write & read mode. 10  
 (b) Write a program to copy contents of one file to another file. 10

**SECTION - D**

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2. (a) What is microprocessor ? Explain different generations of microprocessor in detail. 10  
 (b) What are Input/Output devices ? Explain all type of input devices in detail. 10

3. (a) Explain operating system and its type in detail. 10  
 (b) Differentiate between Windows and LINUX. 10

**SECTION - B**

4. (a) Differentiate between Compiler and Interpreter. 10  
 (b) What are High level languages ? Explain its types. 10
5. (a) Explain Network Topologies in detail. 10  
 (b) What is DNS ? Explain its working. 10

**SECTION - C**

6. What are functions ? Explain call by value and call by reference methods in detail. 20

7. Explain Structure and Union in detail with suitable example. 20

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**SECTION - A**