

Roll No. ....

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B.Tech. (Sem. - 1<sup>st</sup>/2<sup>nd</sup>)**FUNDAMENTALS OF COMPUTER PROGRAMMING AND  
INFORMATION TECHNOLOGY****SUBJECT CODE : CS - 101 (2K4 & on wards)****Paper ID : [A0118]**

[Note : Please fill subject code and paper ID on OMR]

**Time : 03 Hours****Maximum Marks : 60****Instruction to Candidates:**

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Five** questions from B & C.
- 3) Select atleast **two** questions from B & C.

**Section - A****(Marks : 2 each)****Q1)**

- a) Write the full form of : (i) OBR, (ii) MICR. Give one application of each.
- b) Describe the structure of program in C++.
- c) Write the full form of ASCII. What is its application?
- d) Explain the term "online help".
- e) Discuss **Goto** and **Find** command in MS word (pull down menu of Edit command).
- f) What are different types of constants in C++.
- g) State two differences in LAN and WAN.
- h) Discuss **if-else** statement in C++.
- i) What are relational operators in C++?
- j) What are main differences in **while** and **do-while** loop?

**J-1070/8129]****P.T.O.**

**Section - B****(Marks : 8 each)**

- Q2)** (a) Discuss functions of ALU in computer.  
(b) Write short note on : (i) HDD, (ii) RAM.
- Q3)** Discuss :  
(a) Format paragraph.  
(b) Format font in MS word.
- Q4)** Discuss control panel in windows and explain how it helps to :  
(a) Add hardware.  
(b) Add software.  
(c) Date and time setting of computer.
- Q5)** (a) What are the differences between .DOC and .TEX file?  
(b) What do you mean by ping. State its applications?

**Section - C****(Marks : 8 each)**

- Q6)** (a) What are three main components of a function definition?  
(b) What do you understand by operator overloading?
- Q7)** (a) Discuss with example how break key word functions in C++ program.  
(b) What are the fundamental rules of naming identifiers in C++?
- Q8)** Take an array of 10 numbers. Write a program to reverse this array of numbers.
- Q9)** Differentiate between : (i) void ram(int, taco, int, ntaco) and (ii) void ram(int, \*taco, int\*ntaco). What happens if variable name in (i) is modified? What about (ii) and why this happens?

