

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

B.Tech. (Sem. - 1st/2nd)

**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?

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?

