

Roll No. ....

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## Paper ID [A0108]

(Please fill this Paper ID in OMR Sheet)

**B.Tech. (Sem. - 1<sup>st</sup>/2<sup>nd</sup>)**

### FUNDAMENTALS OF COMPUTER PROGRAMMING AND INFORMATION TECHNOLOGY (CSE - 101)

Time : 03 Hours

Maximum Marks : 60

#### Instruction to Candidates:

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

#### Section - A

Q1)

(Marks : 2 Each)

- a) What are the advantages of assembly language over machine language?
- b) What is the difference between internal and external commands in DOS?
- c) How a compiler is different from an interpreter?
- d) What is the utility of mail-merge in MS-Word?
- e) What is the difference between ROM, PROM & EPROM?
- f) How Windows Operating System are different from DOS?
- g) What is the function of layout tab in the page setup dialog box?
- h) What is the purpose of functions Prototype and Scope?
- i) Differentiate between pointers and references.
- j) What is meant by pass-by value parameter?

#### Section - B

(Marks : 8 Each)

Q2) Draw and explain the different components of Block diagram of the Computer.

**Q3)** Explain in detail how you will deal with lost clusters using CHKDSK & SCANDISK.

**Q4)** Give atleast ten facilities provided by File Manager in Windows.

**Q5)** How you will do following tasks in MS Word.

- (a) Creating a Paragraph
- (b) Splitting One Paragraph into two
- (c) Joining Paragraph
- (d) Forcing a New Line without creating a New Paragraph.
- (e) Modifying the Appearance of Paragraph.
- (f) Indenting Paragraphs Automatically.

### Section - C

*(Marks : 8 Each)*

**Q6)** Suppose A, B, C are integer variable where  $A = 3$ ,  $B = 3$ ,  $C = -5$  and X, Y, Z are floating point variables where  $X = 8.8$ ,  $Y = 3.5$ ,  $Z = -5.2$ . Determine the value of the following expressions:

- (a)  $A\%C$
- (b)  $(A*C)\%B$
- (c)  $X/Y$
- (d)  $X/(X+Y)$
- (e)  $\text{int}(X)\%\text{int}(Y)$ .

**Q7)** Write an interactive C++ Program to accept a date dd//mm//yyyy and check for the validity of the date.

**Q8)** Write a program in C++ to find the sum of the series  $1+2+3+4+5+6+\dots+N$  terms.

**Q9)** Write a C ++ Program to compare two files, printing the first line where they differ. The program should take the name of files as command line arguments.