

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

Paper ID [A0108]

(Please fill this Paper ID in OMR Sheet)

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

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.