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Total No. of Questions : 13]

[Total No. of Pages : 02

J-3658[S-1514]

[2037]

M.Sc. (IT) (Semester - 1st)

COMPUTER FUNDAMENTALS (M.Sc.(IT)-101)

Time : 03 Hours

Maximum Marks : 75

Instruction to Candidates:

- 1) Section - A is **compulsory**.
- 2) Attempt any **Nine** questions from Section - B.

Section - A

Q1)

(15 x 2 = 30)

- a) What is Software?
- b) Explain digital computer.
- c) Distinguish between CPU and ALU.
- d) Describe the difference between static and dynamic memory.
- e) Briefly describe a line printer.
- f) Briefly define computer program.
- g) What is the purpose of an assembler?
- h) Write the names of two word processing software.
- i) What is system software?
- j) What is computer network?
- k) Write the full form of (i) GUI, and (ii) WAN.
- l) Define screen saver.
- m) Explain the steps involved in saving a document in MS Word 2000.
- n) By default how are numeric data and text data aligned in MS Excel 2000?
- o) What is Internet Explorer?

P.T.O.

Section - B

(9 x 5 = 45)

- Q2)** Draw block diagram of a digital computer. Explain the function of each unit.
- Q3)** Convert hexadecimal number B1C.5A9 into equivalent binary and octal numbers.
- Q4)** Summarize the advantages of 2's complement representation. Express the number -45 in 2's complement form using 8-bit word.
- Q5)** What is DVD ROM? What is the difference between CD ROM and DVD ROM? What are major applications of CD ROM?
- Q6)** What are inputs and outputs of a compiler? Briefly explain the meaning of object program.
- Q7)** What is the structure of a C program? Explain with example.
- Q8)** Define Internet. Explain how Internet is different from local area network?
- Q9)** Explain in detail Electronic Mail and File Transfer Protocol.
- Q10)** Describe how a new directory can be created in Windows? What is the difference between moving a file and copying?
- Q11)** Define each of the following in context of MS Word 2000
(a) right justification, (b) cut & paste, (c) table, (d) font, (e) bullets.
- Q12)** Explain the salient features of MS Excel 2000.
- Q13)** Write short note on the following
(a) Footnote in MS Word, (b) Formula in MS Excel.

