

Roll No.

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B.Tech. (Sem. – 1st & 2nd)
FUNDAMENTS OF COMPUTER PROGRAMMING &
INFORMATION TECHNOLOGY

SUBJECT CODE : CS – 101 (2004-2010 Batch)

Paper ID : [A0127]

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)**(10 × 2 = 20)**

- a) Out of SRAM and DRAM which one is faster? Justify your answer.
- b) What is the role of accessories in windows?
- c) What is shortcut key to perform spell check? How is it done?
- d) What is the working principle of prefix operators? Give example.
- e) How is explicit type conversion performed in C++?
- f) What is semantic error? Give example.
- g) Differentiate between the terms Internet and internet.
- h) Differentiate between flow chart and algorithm.
- i) How is compiler different from an interpreter?
- j) List characteristics of computers.

Section – B

8 Marks each.

- Q2)** Draw and explain the different components of block diagram of computer.
- Q3)** Give atleast ten facilities provided by File Manager in Windows.
- Q4)** List features of MS Word. Also describe the process of mail merge.
- Q5)** Describe secondary storage memory devices.

Section – C

8 Marks each.

- Q6)** Explain the concept of classes and objects by writing a program to add two complex numbers.
- Q7)** Compare various loops available in C++.
- Q8)** Write short notes on:
 - a) File Handling
 - b) Polymorphism
- Q9)** Discuss the role of Information technology in today's world.

