Roll No. ....

Total No. of Questions : 09]

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B.Tech. (Sem. - 2nd)
FUNDAMENTALS OF COMPUTER PROGRAMMING AND INFORMATION TECHNOLOGY
SUBJECT CODE : CS - 101
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 Section - B & C.

3) Select atleast **Two** questions from Section - B & C.

Section - A

[Marks : 2 Each]

Q1)

a) What is difference between main memory and cache memory?

b) What is the function of ALU?

c) What are the various components of URL?

d) What are the various bitwise operators in C++?

e) What is recursion?

f) What is function overloading?

g) What is a copy constructor in C++?

h) Differentiate between compiler and interpreter.

i) Define an object.

j) What is the use of destructor?

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Section - B

[Marks : 8 Each]

Q2) What is the difference between primary and secondary memory storage of a computer. What the purpose of using cache memory?

Q3) (a) Discuss the various text formatting options in MS-Word.

(b) Discuss various options of paragraph setting.

Q4) (a) What is the function control panel in Windows? Explain.

(b) How the resolution of the desktop screen can be set in Windows?

Q5) (a) Explain different operators available in C++.

(b) Write a program in C++ to sort an array in ascending order.

Section - C

[Marks : 8 Each]

Q6) (a) What is function overloading? Explain with the help of an example.

(b) Write a program in C++ to find the factorial of a number.

Q7) (a) What is a dynamic constructor? Explain with the help of an example.

(b) Discuss various types of Inheritance.

Q8) (a) Discuss the various applications of internet.

(b) What is Information Technology? Discuss various applications of Information Technology.

Q9) (a) What are the different types streams classes used to handle input and output files?

(b) Write a program in C++ to count the number of words and lines from a text file.

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