

Roll No.

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B.Tech. (Sem. - 1st/2nd)**FCP & IT****SUBJECT CODE : CS - 101 (2k4 & Onwards)****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 at least **Two** questions from Section - B & C.

Section - A**Q1)****(Marks : 2 Each)**

- a) What is SDRAM?
- b) What is the difference between CDROM and CDR/W?
- c) What is spellcheck in windows used for?
- d) What is USB port in computers used for?
- e) What is the role of friend functions?
- f) What is the role of an object in C++?
- g) What is the use of constructors?
- h) What is meant by precedence rule for evaluation of expressions?
- i) What is the difference between structured and an object oriented language?
- j) What is the difference between high level and a low level language?

Section - B**(Marks : 8 Each)**

Q2) What is the difference between primary and secondary memory storage of a computer. Where is ROM memory typically found?

Q3) What is control panel used for in Windows? Why is disk fragmentation done in Windows?

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Q4) How is mail merge useful? How can we use fields from excel file to merge in a word documents also?

Q5) Write a program to copy the contents of one file into other using command line arguments. How are binary files different from text files in CPP?

Section - C

(Marks : 8 Each)

Q6) What do you understand by inheritance? Give its various types and access mechanisms. What are the advantages of scope resoluter & referencing?

Q7) What are static functions? Explain the difference between the relationship friendship & derivation. Also explain the usage of inline functions.

Q8) What is the different application of Internet? How does Internet connect various users with each other even though the physical distance between them may be miles apart?

Q9) What are the advantages of polymorphism? With a suitable example explain how to design a class which supports polymorphism.

