

Roll No.....

Total No. of Questions : 09]

[Total No. of Pages : 02

Paper ID [CS2521

(Please fill this Paper ID in OMR Sheet)

B.Tech. (Sem. - 3rd)

OBJECT ORIENTED PROGRAMMING USING C++ (CS - 252)

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Two** questions from Section - C.

Section - A

(10 × 2 = 20)

Q1)

- a) Explain some objectives of object oriented programming?
- b) Define polymorphism.
- c) What do you mean by default constructor?
- d) What is a control statement? Discuss with an example.
- e) What do you mean by OOP?
- f) Explain in brief bindings in C++.
- g) Define void Pointers.
- h) Define generic function.
- i) What is a class in C++? Discuss generic class.
- j) Discuss custom new and delete operators.

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Section - B

(4 × 5 = 20)

- Q2) Write a program in C++ to find the sum of first 100 natural numbers.
- Q3) What is the role of switch statement in C++?
- Q4) Explain the syntax of nested if statement in C++ with suitable examples.
- Q5) Discuss operator overloading in C++.
- Q6) What do you mean by file positioning function? Discuss.

Section - C

(2 × 10 = 20)

- Q7) Write a program to add two matrices in C++.
- Q8) How constructors are handled in multiple Inheritance?
- Q9) Write a program to read data from the keyboard, write it to a file called INPUT, again the same data from the INPUT file, and display it on the screen.
