May - 09

Subject Code—2060

M.C.S. EXAMINATION

(Fourth Semester)

MS-17

OBJECT ORIENTED PROGRAMMING USING C++

Time: 3 Hours Maximum Marks: 100

Note: Attempt any *Five* questions. All questions carry equal marks.

- Differentiate between a class and an object.
 Describe, how object oriented programming is better than structured programming?
- 2. (a) Define Inheritance. Describe various types of inheritance.
 - (b) Discuss the role of inheritance in objectoriented programming. 10

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systems.

example.

4. (Describe operator overloading with example. Compare it with overriding.10
(Write a program to overload '+' operato to add two quadratic equations.
	rite a program to demonstrate file and string mipulation operations.
	What are virtual functions? Why they are used? Explain with suitable example
(What are abstract classes? Describe use of abstract classes with suitable example
7. (Discuss the role of constructor and destructor in object oriented programming with suitable example.
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(a) Describe various types of object oriented

(b) What is message passing? Describe

message passing mechanism with suitable

10

10

- (b) What is Buffering? How is it used in object oriented systems? 10
- 8. What are concurrent object-oriented systems?

 Discuss major issues in the developed of concurrent systems.

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