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I Semester M.C.A. Degree Examination, May/June - 2025

COMPUTER APPLICATIONS

Object Oriented Programming

(CBCS Y2K21 Scheme)

Paper : 1MCA5

Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates :

Answer all the Sections.



SECTION - A

Answer any **Five** questions. Each question carries **6** marks.

(5×6=30)

1. Define Inheritance. Explain the types of Inheritance
2. Explain constructors in Java with example.
3. Explain runtime polymorphism with example program.
4. What is a package? Explain how to create and execute user defined package.
5. Write a Java program to demonstrate string class and string methods.
6. Write a note on Applet Life Cycle.
7. Define final variable, final method and final class with example.
8. Explain five methods of graphics class with examples.

SECTION - B

Answer any **Four** questions. Each question carries **10** marks.

(4×10=40)

9. Explain features of Java Language.
 10. Explain the ways of creating threads in Java
 11. Explain exception handling in Java.
 12. With Neat diagram briefly explain Life cycle of a thread.
 13. a) Write a Java program to demonstrate static member data and static member methods.
b) Explain character stream and byte stream classes. (5+5)
 14. Write a short notes on:
a) Method overloading and method overriding.
b) Arrays and Types of Arrays. (5+5)
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SECTION - B

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11. Explain exception handling in Java.
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