



I Semester M.C.A. (2 Years Course) Degree  
Examination, August/September 2021  
(CBCS)  
(2020-2021 and Onwards)  
COMPUTER SCIENCE  
1MCA5 : Object Oriented Programming

Time : 3 Hours

Max. Marks : 70

**Instruction :** Answer any five from Section – A and any four from Section – B.

SECTION – A

Answer any 5 questions. Each question carries six marks :

(5×6=30)

1. Define encapsulation and inheritance. Explain the purpose of 'this' and 'super' keyword in Java with example.
2. Explain different looping structures in Java.
3. Write a note on abstract method and abstract class.
4. What is a package ? Explain user defined package with example.
5. Explain final variable, final method and final class with example.
6. Write a Java program to read and write data to a file.
7. Write a note on Applet Life Cycle.
8. Explain five methods of graphics class with example.

SECTION – B

Answer any 4 questions. Each question carries 10 marks :

(4×10=40)

9. Explain salient features of Java language. 10
10. What is a constructor ? Explain constructor overloading with an example program. 10



- 11. Define different types of inheritance. Explain how Java achieves multiple inheritance with an example. 10
- 12. Explain life cycle of a thread with a neat diagram. 10
- 13. What is an exception ? Explain how exception handling is achieved in Java. 10

