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Reg. No.

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I Semester M.C.A. Degree Examination June/July - 2024

COMPUTER SCIENCE

Object Oriented Programming

(CBCS Y2K20 2020-2021 Scheme)

Time : 3 Hours

Maximum Marks : 70

*Instructions to Candidates :*Answer any **Five** from Section-A and any **Four** from Section-B.**SECTION - A**Answer **any Five** questions. Each question carries **6** marks:

(5×6=30)

1. Explain final variable, final method and final class.
2. What is an interface? With an example explain how multiple inheritance is implemented through interface in Java.
3. Explain the features of Java.
4. Explain Java thread life cycle with methods.
5. Explain difference between String and String Buffer classes in Java with example.
6. Write a note on Applet life cycle with methods.
7. What is the use of Super keyword in Java? Explain with example.
8. What is Polymorphism? Explain method over loading and method over riding in Java.

SECTION - BAnswer **any Four** questions. Each question carries **10** marks.

(4×10=40)

9. What is a Constructor, Copy Constructor? Explain Constructor overloading with an example program in Java.
10. Define inheritance. Explain different types of inheritance with example in Java.

[P.T.O.]



- 11. A) Explain different looping structures in Java. (5)
 - B) How to declare two dimensional arrays in Java? Explain with simple program. (5)
 - 12. A) Explain character stream and byte stream classes. (5)
 - B) Write a note on abstract class and abstract method. (5)
 - 13. Define package. Explain the creation using of a package using a suitable example program.
 - 14. What is an exception? Explain how exception handling is achieved in Java.
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