



K25P 2252

Reg. No. :

Name :

Second Semester M.C.A. Degree (C.B.S.S. – Reg./Supple./Imp.)
Examination, May 2025
(2021 Admission Onwards)

MCA2C02 : PROGRAMMING IN JAVA

Time : 3 Hours

Max. Marks : 60

SECTION – A

Answer **all** questions. **Each** question carries **two** marks.

1. What are abstract classes and abstract methods ?
2. Explain various data types in Java.
3. What do you mean by exception handling ?
4. What is a runnable interface ?
5. What is an applet ?
6. What is a panel ?
7. What is stub in RMI ?
8. Explain a factory class in RMI.
9. What do you mean by an HTTP servlet ?
10. Why thread safety matters in servlets ?

(10×2=20)

SECTION – B

Answer **all** questions. **Each** question carries **eight** marks.

11. a) Discuss method overloading with an example.

OR

- b) Using class and object, find the area and perimeter of a rectangle.

P.T.O.



12. a) Explain synchronization in multithreading with an example.

OR

b) Using FileInputStream and FileOutputStream classes, copy the contents of a file to another.

13. a) Illustrate Frames in AWT with an example. Mention the commonly used methods associated with frames.

OR

b) Explain the GridLayout Manager and BorderLayout Manager.

14. a) Explain with example code to create a server in Remote Method Invocation.

OR

b) Using JDBC, Provide the code for fetching the records from a table.

15. a) Illustrate the use of forward() method in RequestDispatcher interface of Java Servlets with an example program.

OR

b) Explain the architecture of CORBA with a diagram.

(5×8=40)

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