

Reg. No. :

Name :

II Semester M.C.A. Degree (C.B.S.S. – Reg./Supple./Imp.)

Examination, May 2023

(2017 Admission Onwards)

MCA2C02 : PROGRAMMING IN JAVA

Time : 3 Hours

Max. Marks : 60

SECTION – A

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

1. List different data types in Java. How many bytes will each data type take ?
2. Explain the use of the keyword super.
3. What are character stream classes ?
4. Differentiate throw and throws in exception handling.
5. Explain the constructors of List control in AWT.
6. Write a simple applet program to display a string "Hello Java".
7. Explain the concept of RMI.
8. Explain BLOB datatype.
9. Explain the concept of servlet chaining.
10. Explain the role of IDL in CORBA.

SECTION – B

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

11. a) Differentiate method overloading and method overriding with example programs.

OR

- b) Explain with example programs, the concept of single inheritance and multi-level inheritance.

P.T.O.



12. a) Explain the concept of packages. Mention the steps for creating a package. Create a user defined package and illustrate how to import it.

OR

b) Explain how threads can be created by implementing the Runnable interface.

13. a) Explain various built-in event listeners and their methods.

OR

b) Explain with example program, how to pass parameters to applets.

14. a) Briefly explain the JDBC components.

OR

b) Explain the architecture of RMI with a diagram.

15. a) Explain the life-cycle of Java servlet.

OR

b) Explain with an example program how to set cookies in Java servlets.

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