

Roll No. :

Total No. of Questions : **16**]

[Total No. of Printed Pages : **3**

DCOM-318

M.Sc. (IIIrd Semester) Examination Jan., 2023

COMPUTER SCIENCE

Paper - FS-COMP-MS-C-CC-302

(Java)

Time : 3 Hours]

[Maximum Marks : 40

The question paper contains three Sections.

Section-A

(Marks : 1 × 10 = 10)

Note :- Answer all the *ten* questions carries **1** mark each. The answer should not exceed **50** words.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer *five* questions by selecting at least *one* question from each Unit. Each question carries **3** marks. Answer should not exceed **200** words.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer *three* questions by selecting *one* question from each Unit. Each question carries **5** marks. The answer should not exceed **500** words.

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Section–A

1. Attempt all questions :
 - (i) What are Tokens ?
 - (ii) What is Instance ?
 - (iii) What is Static Variable ?
 - (iv) What is Package ?
 - (v) What is Local Variable ?
 - (vi) What is Final Class ?
 - (vii) What is Threads ?
 - (viii) What is Command Line Argument ?
 - (ix) What is Exception ?
 - (x) What is Finally Block ?

Section–B

Unit–I

2. What is Type Casting ? Explain.
3. Define Constructor.
4. Define data types of Java.

Unit–II

5. Explain the difference between overloading and overriding in Java.
6. Define visibility control with example.
7. What is Interface ? Define its features, advantages, disadvantages and uses.

Unit–III

8. What is Error ? Define its various types.
9. Define thread priority.

10. Define inter-threads communication.

Section–C

Unit–I

11. What is Control Structure ? Define with suitable example in Java.

12. Define blueprint of object with syntax, variables, methods and concept of overloading with example.

Unit–II

13. What is Inheritance ? Define its types, syntax and uses with example.

14. Write notes on the following :

(a) Wrapper classes

(b) Vectors

(c) Abstract class

Unit–III

15. Define process of exception handling in java with example.

16. Define thread in detail.