

M.Sc. DEGREE EXAMINATION, APRIL 2020
I Year II Semester
Programming in Java

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. What is Encapsulation?
2. List the data types of Java.
3. Write the general structure of Class and Object definition.
4. List any two uses of Super Keyword.
5. Define an interface.
6. Define an Exception.
7. What is Inter thread communication?
8. Define deadlock.
9. Name five constructors of String class.
10. Name the two categories of Streams.
11. What is multithreading?
12. What are the methods used for inter process communication in Java?

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Compare While and Do-While controls with example.
14. Explain parameterized constructor.
15. Write a note on try-catch and finally with example.
16. Describe the life cycle of a thread.
17. Write short notes on String buffer class.
18. Write a program to find factorial of a number.
19. Write an Applet program to draw different shapes.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. What is Arithmetic, relational and bitwise operators in Java? Explain with example.
21. Explain various types of inheritance with example.
22. How do you create and access a package in Java?
23. Write a program to demonstrate multithread creation.
24. Explain in detail about file streams.

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