Reg. No.

III Semester B.C.A 4 Degree Examination, April/May - 2023
OBJECT ORIENTED PROGRAMMING USING JAVA
(Repeater)

Time : 3 Hours   Maximum Marks : 80

Instructions to Candidates :
1) Answer questions from all **THREE** sections.
2) Write question number correctly.
3) Draw neat **diagram** wherever necessary.

SECTION - A

Answer **ALL** questions.   (10×2=20)

1. a) What are commandline arguments? Give example.

    b) What is encapsulation?

    c) What is vector? List any two methods.

    d) What is multithreading?

    e) Define exception.

    f) What is importance of static keyword in Java?

    g) Define wrapper class.

    h) What is applet?

    i) State methods of graphics class.

    j) What is typecasting in Java?

SECTION - B

Answer any **FOUR** of the following.   (4×5=20)

2. Explain Java program structure.

3. Explain thread priority.

4. Write a Java program to demonstrate atleast five string methods using scanner class.

5. Write a program to demonstrate method overriding.

6. Differentiate between C++ and Java.

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SECTION - C

Answer any **FOUR** of the following.   (4×10=40)

7. a)   Explain decision statements in Java.

    b)   Explain any five features of Java.

8. Explain oops concepts.

9. What do you mean by exception handling in Java? And explain the following terms in exception handling try, catch, finally, throw, throws.

10. Define interface. Write a program to demonstrate multiple inheritance.

11. a)   Explain applet life cycle.

    b)   Write a program to demonstrate line and rectangle.

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