



41322/C220

Reg. No.

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**III Semester B.C.A. 4 Degree Examination, April - 2022**  
**OBJECT ORIENTED PROGRAMMING USING JAVA**

**(Repeater)**

**Time : 3 Hours**

**Maximum Marks : 80**

**Instructions to Candidates :**

- 1) *All sections are Compulsory*
- 2) *Draw neat diagram .*

**SECTION - A**

Answer **All** the questions.

**(10×2=20)**

1. a) What is encapsulation ?  
b) What is garbage collection ?  
c) Define vector List any two methods.  
d) What is Constructor ?  
e) Define wrapper class.  
f) What are access modifiers in java ?  
g) Define exception handling.  
h) What is applet ?  
i) State methods of Graphic class.  
j) Explain “public static void main (String args[ ])”

**SECTION - B**

Answer any **Four** of the following .

**(4×5=20)**

2. Explain java features.
3. Explain Thread priority.
4. Write a procedure to create packages.
5. Write java program to demonstrate at least 5 string methods using scanner class.
6. Explain applet life cycle with neat diagram.

**[P.T.O.]**



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**SECTION - C**

Answer any **Four** of the following.

(4×10=40)

7. a) Explain method overriding with example.  
b) Difference between C++ & java.
  8. Write short note on
    - a) Final Keyword.
    - b) Static method.
    - c) wait () and Sleep ()
  9. Explain OOps Concepts.
  10. Define Interface . Write program to demonstrate multiple inheritance.
  - 11 Write java program to demonstrate method over loading.
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