



41322/C220

Reg. No.

**III Semester BCA 4 Degree Examination, Nov/Dec - 2019**  
**OBJECT ORIENTED PROGRAMMING USING JAVA**  
**(Repeater/Regular)**  
**Paper - BCA 4**

**Time : 3 Hours**

**Maximum Marks : 80**

**Instructions to Candidates:**

1. *All sections are compulsory.*
2. *Draw a neat diagram wherever necessary.*
3. *Write Question Numbers neatly & correctly.*

**SECTION - A**

Answer **ALL** the Questions:

**(10×2=20)**

1.
  - a) What is class & object?
  - b) Define polymorphism.
  - c) What is constructor?
  - d) Define wrapper class?
  - e) State access control (Modifies).
  - f) What do you mean by vector?
  - g) Define exception.
  - h) What is print writer?
  - i) What do you mean by applet?
  - j) State the methods of Graphics class.

**SECTION - B**

Answer any **FOUR** of the following:

**(4×5=20)**

2. Differentiate between POP & OOPS.
3. Write a Java program to demonstrate constructor overloading.
4. Write a procedure to create packages.
5. Explain Thread priority.
6. Differentiate between Applet & Applications.

**P.T.O.**

**SECTION - C**

Answer any **FOUR** of the following:

(4×10=40)

7. Explain OOPS concepts.
  8. a) Write a Java program to demonstrate method overloading.  
b) Explain static keyword with data, method & block.
  9. Define Interface. Write a program to demonstrate multiple inheritance.
  10. Explain different types of exception with example.
  11. a) Explain Applet life cycle.  
b) Write an applet program to demonstrate line & Rectangle.
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