

Roll No. : 372423.....

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# BCA301

B.C.A. IIIrd Year Examination, 2022

## JAVA PROGRAMMING

Paper-I

*Time Allowed : 1½ Hours*

*Maximum Marks : 100*

**Part-A**

**[Marks : 30]**

**Note** :- Answer all questions (50 words each). All questions carry equal marks.

**Part-B**

**[Marks : 70]**

**Note** :- Answer any two questions (250 words each). All questions carry equal marks.

**Part-A**

1. Answer the following :

- (i) What do you mean by Typecasting ?
- (ii) Differentiate method overloading with method overriding with examples.

- (iii) What is a Thread ? Describe the complete life cycle of thread.
- (iv) What is the meaning of Final Class ?
- (v) How do applets differ from application programs ?
- (vi) Explain the basic structure of applet skeleton.
- (vii) What is an Interface ?
- (viii) Explain delegation event model.
- (ix) What are the static variables ?
- (x) What do you mean by default constructor ?

### **Part-B**

- 2. What are the drawbacks of procedural languages ? Explain the need of object oriented programming with suitable program.
- 3. What is a Constructor ? What is its Requirement in Programming ? Explain with program.
- 4. What is an Exception ? How are exceptions handled in Java Programming ?

5. Write an applet program that accepts two input string using <param> tag and concatenate the strings and display it in status windows.
6. What is the role of event listeners in event handling ? List the Java event listeners.
7. How to create a package ? Explain with example.
8. How to create Objects ? Does Java support Object Destruction ? Justify your answer.
9. How do we pass parameters to applets in Java ? Demonstrate with example.