

Roll No. 

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Total No. of Pages : 2

Total No. of Questions : 07

B.Sc.(IT) (2015 &amp; Onward) (Sem.-5)

**PROGRAMMING IN JAVA**

Subject Code : BSIT-502

Paper ID : [74376]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

**SECTION-A****1. Answer briefly :**

- a) What is exception handling?
- b) What are the various applications of OOP?
- c) What is the purpose of Final variable in Java?
- d) What is the difference between prefix and postfix increment operators?
- e) Explain switch statement.
- f) What is an Object? How is it created?
- g) Discuss Packages in Java.
- h) What is the use of Wrapper class?
- i) How can interface be extended?
- j) Discuss brief history of Java.

### SECTION-B

- Q2) Define Looping. What are the different types of loop statements available in Java? Explain with examples.
- Q3) Explain the various features of an Object Oriented Programming language in detail.
- Q4) What are Applets? Discuss the life cycle of an Applet. How can we pass parameters to Applet?
- Q5) Discuss Inheritance. What are the different types of Inheritance in Java?
- Q6) Explain Exception Handling. Using an example show how Java handles exceptions.
- Q7) What is a Graphics Class in Java? What are the various methods available in Graphics Class? Write a Program that creates a polygon, rectangle and line.

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