

Roll No.

Total No. of Pages : 02

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**BCA (2014 to 2018) (Sem.-5)
PROGRAMMING IN JAVA**

Subject Code : BSBC-502

M.Code : 70629

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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 a student has to attempt any FOUR questions.

SECTION-A

1. Answer briefly :

- a) Write two applications of OOP.
- b) How Java differs from C++?
- c) How web browsers are used in Java?
- d) Write about Java Virtual Machines.
- e) What are static members in Java?
- f) What are string functions?
- g) Write about interfaces in Java.
- h) What is use of Applets in Java?
- i) Give introduction of Rectangle in Graphics class.
- j) Write about Action Listener Event Handling.

SECTION-B

2. Explain following :
 - a) Data Types in Java
 - b) Looping Statement in Java
3. Discuss various operators and expression available in Java. Show their syntax.
4. What are system packages in Java? How the packages are created?
5. How the error and exception are managed in Java? What is *Try* and *Catch*?
6. Explain Java AWT basics. Write its basic user interface components.
7. What is Java I/O Handling? Discuss data I/P and O/P streams.

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