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**Roll No. \_\_\_\_\_\_\_\_\_\_\_\_**

**BCA-5214**

**B.C.A. (V Semester) Examination, Dec. 2018**

**COMPUTER APPLICATION**

**Java Programming and Dynamic Webpage Design**

*Time Allowed: Three Hours] [Maximum Marks: 70*

**Note:** Answer **all** questions.

**Q. 1.** Attempt any **six** of the following. **5\*6=30**

1. Why java is called as distributed programming language?
2. What do you know about typecasting and type conversion in java?
3. How encapsulation is implemented in java?
4. Differentiate between applets and applications.
5. What do you understand by dynamic web pages? How they are developed?
6. Discuss about different types of sockets used in java network programming.
7. What are uses of Java Server Pages and Java Application pages?
8. Discuss about different uses of cookies.

**Q. 2.** What are different advantages of multithreaded programming? Write a program in java to create two child threads to print the tables of 2 and 4. **10**

**OR**

Discuss about the keywords **try**, **catch**, **throw**, **throws** and **finally** used for exception handling in java with the help of syntax.

**Q. 3.** What are advantages of java Swing over AWT? Explain with the help of simple example. **10**

**OR**

Write a program in java that finds a substring in a given string.

**Q. 4.** Explain about different types of drivers used in JDBC along with their uses. **10**

**OR**

Define the terms event, event source and event listener. Write a program for mouse

event handling.

**Q. 5.** What are different information’s saved with cookies? How session tracking is done with the help of cookies? **10**

**OR**

Define the terms HTML, XML and SGML. Write down the steps for developing and

hosting a website.