

**A** Printed Pages : 3  
(21119) Roll No. ....  
B.C.A.-V Sem.

**18022**

**B.C.A. Examination, November-2019**  
**JAVA PROGRAMMING AND DYNAMIC**  
**WEBPAGE DESIGN**  
**(BCA-502)**

*Time : Three Hours* [Maximum Marks : 75]

**Note :** Attempt questions from all sections as per instructions.

**Section-A**

**(Very Short Answer Questions)**

**Note :** Attempt all the five questions. Each question carries 3 marks. Very short answer is required not exceeding 75 words. 5×3=15

1. Java is Platform Independent. Explain.
2. What is Inheritance ? Give the type of inheritance.
3. Explain Servlet.
4. Why JDBC is used for database connectivity ?
5. What is Layout Manager ?

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**Section-B**

**(Short Answer Questions)**

**Note :** Attempt any two questions out of the following three questions. Short answer is required not exceeding 200 words. 2×7½=15

6. Explain the following :
 

(a) Package	4
(b) Exception handling	3½
7. What is Java Script ? Differentiate between Java and Java Script. Give the Supportive example also.
8. What is Thread ? What are the advantage of multithreading ? Write a program in Java for creating two threads.

**Section-C**

**(Detailed Answer Questions)**

**Note :** Attempt any three questions out of the following five questions. Answer is required in detail. 15×3=45

9. What do you understand by Layout Manager ? Give all type of layout available in Java with the help of example.

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**10.** What is JSP ? Explain the advantage of JSP and main component of JSP also. How JSP is different from Servlet. Give an example also.

**11.** Explain the following :

( a ) Applet viewer

( b ) CSS

( c ) RMI

( d ) Super and final

( e ) AWT

**12.** ( a ) Explain servlet life cycle. 7

( b ) Explain drives used in connectivity in Java. 8

**13.** Create a file to contain information about student performance on a module. Each student has a name, Roll No., subject marks and result.

or

What is Inheritance in Java ? Explain its types, if we need to extend more than one class, how it works ? Give the example also.