

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.  $5 \times 3 = 15$

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 ?

18022

[P.T.O.]

18022

( 2 )

**Section-B**

(Short Answer Questions)

Note : Attempt any *two* questions out of the following three questions. Short answer is required not exceeding 200 words.  $2 \times 7\frac{1}{2} = 15$

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.  $15 \times 3 = 45$

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

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.