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(21223)
B.C.A.-V Sem.

(Printed Pages 4)

Roll No. ....

18022

B.C.A. Examination, Dec.-2023

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 Type Question)

Note : Attempt **all** questions. Each question carries **3** marks. Very short answer is required not exceeding 75 words.

3×5=15

P.T.O.

1. How is Object Created in Jawa?

2. Compare between JDK, JRE and JVM?

3. Difference between JDBC and ODBC?

4. Write difference JSP and Servlet?

5. Explain three keywords 'This', 'Final' 'Super', in Java.

Section-B

(Short Answer Type Question)

Note : Attempt any **two** questions out of the following three questions. Each question carries 7.5 marks. Short answer is required not exceeding 200 words.   7.5×2=15

6. Illustrate the features of Java Programming Language.

7. Define the advantages of Servlet over CGI? Explain with an example.

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8. What is Applet? Explain the describe life cycle of Applet.

Section-C

(Long Answer Type Questions)

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

9. What is an exception? How is exception handled in JAVA. Difference between Throw and Throws. https://www.ccsustudy.com

10. (a) Explain the concept of inheritance with its types.

    (b) Discuss the key features supported by Object-Oriented programming language.

11. What are packages in Java? How a user-defined package is created in Java, explain with example.

12. Define thread. How to create a thread in Java? Write a program that execute two threads. One thread will print the even numbers and another thread will print odd numbers from 1 to 5.

13. Mention Various AWT Controls Explain over four of them.