18022

B.C.A. Examination, Dec.-2024

Java Programming and Dynamic Webpage Design

(B.C.A.-502)

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

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

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Section - A

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

3×5=15

1. Discuss data types in Java. 3
2. Explain TCP/IP server socket. 3

P.T.O.

3. What are packages. How do you call a package. 3
4. Explain the anchor and table tag in HTML. 3
5. Briefly explain the Internet concepts. 3

Section-B

Note : Attempt any **two** questions. Out of these following three questions. Each question carry 7.5 marks. 7.5×2=15

6. Explain applet with its life cycle, write a program to demonstrate simple Java applet to display any image. Also compare applets over HTML. 7.5
7. Explain TCP/IP client socket. Also write the constructor and methods used to create client sockets? 7.5
8. Explain the concepts of Inheritance in Java. Also explain the types of Inheritance. 7.5

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Section-C

Note : Attempt any **three** questions out of these following five questions. Each question carries 15 marks. 15×3=45

9. What is JDBC? Explain the drivers used in JDBC. Write a JDBC program for insert and display the record of employees using prepared statement. 15

10. What is packages? What are the benefits of package? Explain Java API package. List out any five methods of string class by giving an example. 15

11. Explain servlets with its life cycle. How its life cycle is different from the life cycle of JSP. Give an example. 15

P.T.O.

12. Discuss JSP in details. What are JSP directives? Explain various types of directives with example. 15

13. What are the uses of layout managers? Give the name of classes that represents the layout managers. Explain any five layout managers. 15

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