

A (Printed Pages 3)
(21222) Roll No. _____
B.Sc. (Com-Sci.)-V

NP-3610

B.Sc. (Com.Sc.) Examination, Dec.-2022

Web Designing with Java Programming

(BCS-503)

Time : Three Hours] [Maximum Marks : 75

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

Section - A

Note : Attempt all questions.

1. State the five features of Java. 3
2. What is the role of Garbage collection in Java. 3
3. What is Java Beans? 3

P.T.O.

4. What is the difference between AWT and swing? 3
5. What do you mean by W3 C? 3

Section-B

Note : Attempt any two questions.

6. What is JDBC prepared statement. 7½
7. What are the differences between Array list and Vector. 7½
8. Write a Java program to find the given alphabet is a vowel or not using switch statement. 7½

Section-C

Note : Attempt any three questions.

9. Describe the collection hierarchy in Java with suitable diagram. 15

NP-3610/2

10. What is JDBC Driver? List out and explain all type of Driver in detail. 15
11. Write a note on following:
- (a) JDK, JRE and JVM 7½
 - (b) Abstract class and Interface 7½
12. What is Java Applet used for? Explain the Life cycle of the applet with example. 15
13. Write a note on :
- (a) Web application Development. 7½
 - (b) Java package with example. 7½