

A (Printed Pages 4)  
(20222) Roll No. ....  
B.Sc. (Com.Sci.)-V Sem.

**NP-3610 (CV-III)**

**B.Sc. (Com. Sc.) Examination, Dec.-2021**

**WEB DESIGNING WITH JAVA**

**PROGRAMMING**

**(BCS-503)**

*Time : 1½ Hours / [Maximum Marks : 75*

**Note :** Attempt all questions from **all** sections  
in the examination.

**Section-A**

**Note :** Attempt any **two** questions. Each  
question carries 7.5 marks.  $2 \times 7.5 = 15$

1. What do you mean by Class file in Java?
2. What do you mean by Light Weight Component in Java?

**P.T.O.**

3. What is the difference between array and collection?
4. List out the characteristics of the Java Beans.
5. What is the need of Web-Design?

**Section-B**

**Note :** Attempt any **one** question. Each  
question carries 15 marks.  $1 \times 15 = 15$

6. What do you mean by object-oriented concept? List out the features of object oriented language with example.
7. Write the basic steps to create a JDBC application.
8. What is command Line argument? Write a Java Program to Justify the same.

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### Section-C

**Note :** Attempt any **two** questions. Each question carries 22.5 marks.

$$2 \times 22.5 = 45$$

9. Write a Java Program to accept number from user and convert into binary by using wrapper class method.
10. Write a note on following with example:
- (a) Event Listener and Adapter
  - (b) AWT
11. Write a note on following:
- (a) Garbage collection in Java
  - (b) Difference between class and Interface
  - (c) Data Abstraction

12. Explain the following term with respect to exception handling-
- (a) try
  - (b) catch
  - (c) throw
  - (d) finally
13. Explain the Web Designing Process with suitable examples.