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B.Sc./5th Sem (H)/COMP/23(CBCS)

2023

5th Semester Examination
COMPUTER SCIENCE (Honours)

Paper : C 11-T

[Advanced Java]

[CBCS]

Full Marks : 40

Time : Two Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : 2×5=10

1. What is the role of the toString() method in the Object class?
2. What is the difference between an array and an ArrayList in Java?
3. What is the main role of HTTP?
4. Write down the difference between the if-else statement and the switch statement in JavaScript.

P.T.O.

(2)

5. What is the purpose of the for... in loop in JavaScript?
6. What is the difference between the equality operators== and === in JavaScript?
7. How to use comments in JSP?
8. Why you use package in Java?

Group - B

Answer any *four* questions.

5×4=20

9. Explain the steps involved in establishing a connection to a relational database using JDBC.
10. What are the different types of popup boxes available in JavaScript?
11. Explain different phases of life cycle of a Servlet with the help of a diagram.
12. Briefly discuss the use of directives in JSP.
13. Compare and contrast Java Servlet and JSP.
14. Explain the difference between the doGet() and doPost() methods in a Servlet.

Group - C

Answer any *one* question.

10×1=10

15. Illustrate the purpose and usage of JSP expressions, declarations, and scriptlets.

3+3+4

(3)

16. (a) What are dynamic web pages? Explain how JavaScript can be used to create dynamic web page.
- (b) Explain the steps of JSP page processing with the help of a diagram. (2+3)+5
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