TDC (CBCS) Odd Semester Exam., 2023

COMPUTER SCIENCE

(Honours)

(5th Semester)

Course No. : CSCHCC–502T

(Internet Technology)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Answer *ten* questions, selecting any *two* from each Unit :　　　　　　　　　　　　2×10=20

UNIT—I

1. What is the difference between an object and an instance?

2. What is the difference between Array class and Array List class in Java?

3. Write a Java statement to add and remove elements from Array List in Java.

UNIT—II

4. What is JavaScript?

5. What are the types of function in JavaScript?

6. How to write a Hello World example of JavaScript?

UNIT—III

7. What is the role of the JDBC Driver Manager class?

8. Write a note on JDBC Record Set.

9. What is the major difference between java.util.Date and java.sql.Date data type?

UNIT—IV

10. What is the difference between include directive and include action in JSP?

11. What are Scriplets, Expression and Declaration in JSP?

12. What are JSP implicit objects?

UNIT—V

13. What are the advantages of JavaBeans?

14. What is property editor in JavaBeans?

15. Write down the purpose of getPropertyName( ) and setPropertyName( ).

SECTION—B

Answer *five* questions, selecting *one* from each Unit : 6×5=30

UNIT—I

16. Explain the use of objects in Java. What are the different ways to create object of a class?

17. What is Array List class in Java? Explain with example how to access and modify elements from Array List. 2+4=6

UNIT—II

18. What are the advantages of JavaScript? Write the JavaScript program to find the Fibonacci series. 2+4=6

19. What is an event? Explain some JavaScript events with suitable example. 2+4=6

(4)

UNIT—III

20. Explain JDBC architecture with suitable diagram.

21. How to process SQL statement with JDBC? Explain with an example.

UNIT—IV

22. Explain the life cycle of a JSP.

23. Explain exception handling in JSP.

UNIT—V

24. Explain JavaBean class in Java. Give suitable example to implement methods in JavaBeans. 3+3=6

25. What are the steps to create a simple bean in Java?

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