2021/TDC/CBCS/ODD/ CSCHCC–301T/085

TDC (CBCS) Odd Semester Exam., 2021 held in March, 2022

COMPUTER SCIENCE

(3rd Semester)

Course No. : CSCHCC–301T

(Programming in Java)

Full Marks : 50
Pass Marks : 20

Time : 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

Answer any *ten* of the following : 2×10=20

1. Why Java is called robust and secured?

2. Write down the difference between JDK and JRE.

3. How to compile and execute Java program?

22J/691 (Turn Over)

(2)

4. How can multidimensional array be used in Java? Give example.

5. Write down the purpose of Java string class.

6. What is the use of scanner class in Java? Give its syntax.

7. What is abstract class? Give example.

8. Define dynamic method dispatch.

9. Why is package used?

10. What is exception in Java? Mention its different types.

11. Write down the difference between Thread class and Runnable interface.

12. What is JDBC-ODBC bridge?

13. What is applet class?

14. Write down the difference between AWT and Swing.

15. Why are layout managers used in applet programming?

(3)

SECTION—B

Answer any *five* of the following questions : 6×5=30

16. Write down the features of Java.

17. Write a Java program to generate Fibonacci sequence.

18. Explain method overloading and method overriding with examples.

19. Explain with example how objects can be passed to a function.

20. Write down the steps to create user defined package. Explain with programs.

21. Write a Java program to implement the concept of interface.

22. Explain with steps how you will create an exception of your own.

23. Write a simple Java program to connect to a database using JDBC.

24. Explain applet life cycle in detail.

25. Write an applet program to add two numbers. Use TextBox to input the numbers and display the result in a label.

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