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**2021/TDC/CBCS/ODD/
BCACC-501T/021**

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

COMPUTER APPLICATION

(5th Semester)

Course No. : BCACC-501T

(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 questions : 2×10=20

- 1. Write about two basic features of Java.**
- 2. Why is Java called robust and secured?**
- 3. Explain switch statement with Java code segment.**



(2)

4. What is polymorphism?
5. What do you mean by method overriding?
6. What is the use of Finalize() method?
7. Explain the purpose of the string buffer class.
8. How to start a thread?
9. What is exception in Java? Mention the different types of exceptions.
10. Why are the AWT components called 'heavy-weight component'?
11. What is grid layout?
12. What do you mean by applet?
13. What is the function of JDBC connection interface?
14. What are the JDBC API components?
15. What are the differences between execute query and execute update?

22J/833

(Continued)

(3)

SECTION—B

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

16. Write a Java program to find the factorial of a number.
17. Explain the different data types used in Java.
18. What is constructor? Discuss the different types of constructors with Java program.
19. (a) What is inheritance in Java? Describe multilevel inheritance. 4
(b) Explain static method in Java. 2
20. What is multithreading in Java? Explain the methods getName(), setPriority() (int new priority), yield(). 3+3=6
21. Explain the following : 2+2+2=6
(a) Stream tokenizer
(b) Buffered stream
(c) Print stream
22. Explain the life cycle of Java applet.

22J/833

(Turn Over)



(4)

23. Write an applet program to multiply two numbers. Use two text-boxes to input the numbers and a third text-box to display the results.
24. Write a program to illustrate Java database connectivity.
25. Define JDBC. How is statement created and executed in JDBC?
