2021/TDC/CBCS/ODD/ BVOCGE-303T/447

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

INFORMATION TECHNOLOGY

(3rd Semester)

Course No.: BVOCGE-303T

(Introduction to Java Programming)

Full Marks: 70
Pass Marks: 28

Time: 3 hours

The figures in the margin indicate full marks for the questions

Answer **five** questions, selecting **one** from each Unit

UNIT-I

- 1. (a) What is object-oriented programming?
 What are the advantages of OOP? 2+6=8
 - (b) Explain the following:

3+3=6

- (i) Abstraction
- (ii) Polymorphism

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2.	(a)	Describe the basic features of Java programming.	6				
	(b)		8				
Tendania UNIT—II							
3.	(a)	\$1076 Mag	4				
	(b)	Describe different forms of inheritance in Java with example.	10				
		Define class. Describe the syntax of defining a class in Java programming.	8				
	(b)	Write a simple, Java program to add two numbers.	6				
		Ostavi deglad Unit—III					
		Unit i					
		ine multithreading. Explain the following chanisms of creating threads in Java:					
		2+12=					
		Extending the thread class					
	(b)	Implementing the runnable interface					

6.	` •	Briefly explain the types of errors occurred in Java programming.
	(b)	Explain the following: 2+2=4 (i) Join() (ii) isActive()
	(c)	Explain the exception handling mechanism in Java. 6
		UNIT—IV
7.	(a)	What is an applet in Java? Describe different stages in the life cycle of an applet.
	(b)	How does applet differ from application program? 4
8.	(a)	
	(b)	Distinguish between Java AWT and Java Swing. 5

(4)

UNIT-V

9.	(a)	What is event in Java? Briefly expla	explain	
	•	different types of event.	2+4=6	
	<i>a</i>	TITLE A COLUMN TO THE TOUR MOUNTAINENTS	of	

- (b) What are the two key participants of delegation event model?
- (c) Explain the steps involved in event handling.
- 10. (a) Define Java database connectivity.

 Write down the steps for establishing connection between Java program and database.

 2+8=10
 - (b) Briefly explain the transaction management in JDBC.

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