Seat No. _____

H-0031044001

B. Sc. I. T. (Sem.-IV) (CBCS) (WEF-2016) Examination

April - 2023

CS-19 : Programming With JAVA

Time : $2\frac{1}{2}$ Hours / Total Marks : **70**

1	(A)	Objective type questions	**4**
		(1) Give full form of JDK.	
		(2) Give full form of JRE.	
		(3) Give full form of IDE.	
		(4) Give full form of JVM.	
	(B)	Answer in brief (Any 1 out of 2)	**2**
		(1) Give step to compile java program.	
		(2) List available data types in java.	
	(C)	Answer in detail (Any 1 out of2)	**3**
		(1) Explain switch statement with example.	
		(2) Explain type casting with example.	
	(D)	Write a note on (Any 1 out of 2)	**5**
		(1) Explain finalize() method.	
		(2) Explain jumping statement in java.	
2	(A)	Objective type questions	**4**
		(1) Whal is Constructor?	
		(2) What is inheritance?	
		(3) What is nested class?	
		(4) Give full form of API.	
	(B)	Answer in brief (Any 1 out of 2)	**2**
		(1) What is method overriding?	
		(2) What is String Buffer?	

(C) Answer in detail (Any I out of2)   3

    (1) Explain interface with example.

    (2) Explain any one java.util package classes.

(D) Write a note on (Any 1 out of 2)   5

    (1) Explain Math and Wrapper class with example.

    (2) Explain user define package with example.

3   (A) Objective type questions   4

    (1) What is try?

    (2) What is Thread.

    (3) What is FileReader?

    (4) What is exception handling?

   (B) Answer in brief (Any 1 out of 2)   2

    (1) What is use of Non Demon Thread?

    (2) What is Output Stream Writer?

   (C) Answer in detail (Any 1 out of 2)   3

    (1) Explain File output Stream.

    (2) Explain try, catch and finally.

   (D) Write a note on (Any 1 out of 2)   5

    (1) Explain thread states in detail.

    (2) Explain Object input stream and Object Output Stream with example.

4   {A) Objective type questions   4

    (1) What is applet in java?

    (2) What is Button?

    (3) Write command to run applet.

    (4) What is Layout Manager?

   (B) Answer in brief (Any 1 out of 2)   2

    (1) What is Border Layout?

    (2) What is Grid Layout?

   (C) Answer in detail (Any 1 out of 2)   3

    (1) Explain Card Layout.

    (2) Explain Graphics class with example.

(D) Write a note on (Any 1 out of 2)   **5**

    (1)   Explain applet life cycle with example.

    (2)   Explain NO Layout Manager with example.

5   (A) Objective type questions   **4**

    (1)   Give full form of A WT.

    (2)   What is JPanel?

    (3)   What is JFrame?

    (4)   Give full form of GUI

   (B) Answer in brief (Any 1 out of 2)   **2**

    (1)   What are Swing Components?

    (2)   What is Event Handling?

   (C) Answer in detail (Any 1 out of 2)   **3**

    (1)   Explain JList.

    (2)   Explain jFileChooser.

   (D) Write a note on (Any 1 out of 2)   **5**

    (1)   Explain Event packages with example.

    (2)   Explain Key Adapter and Mouse Adapter with example.

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