Seat No. _____

HN-003-3022001

P. G. D. C. A. (Sem. II) (CBCS)

(W.E.F. 2022) Examination

April - 2023

CS-07 : Object Oriented Programming Using JAVA

Faculty Code : 003
Subject Code : 3022001

Time : **2½** Hours / Total Marks : **70**

SECTION - A

1 (a) Objective Type Questions :   **4**

    (1) Java development name is _____.

    (2) Full from of JIT.

    (3) Full from of JRE.

    (4) Full from of JDK.

1 (b) Answer in Brief : (Any **One**)   **2**

    (1) What is method overloading ?

    (2) What is this keyword in java ?

1 (c) Answer in Brief : (Any **One**)   **3**

    (1) Explain JDK, JVM.

    (2) Explain constructors.

1 (d) Answer in Detail : (Any **One**)   **5**

    (1) Explain OOP concepts.

    (2) Explain java features.

SECTION - B

2   **(a)**   Objective Type Questions :   **4**
         (1)   Which key words are used to define package in Java.
         (2)   List out collection of java. until package.
         (3)   Full from of OOP.
         (4)   A class that cannot be sub classed is called a_____.

2   **(b)**   Answer in Brief : (Any **One**)   **2**
         (1)   Explain final keyword with example.
         (2)   Explain wrapper class with example.

2   **(c)**   Answer in Brief : (Any **One**)   **3**
         (1)   Explain method overriding with example.
         (2)   Explain user defined package with example.

2   **(d)**   Answer in Detail : (Any **One**)   **5**
         (1)   Explain interface with example.
         (2)   What is inheritance ? Explain types of inheritance with example.

SECTION - C

3   **(a)**   Objective Type Questions :   **4**
         (1)   List out type of exception.
         (2)   When an array element is accessed beyond the array size, _____ exception is thrown.
         (3)   What is nested class ?
         (4)   The inner class can access private members of the outer class. True/False.

3   **(b)**   Answer in Brief : (Any **One**)   **2**
         (1)   Explain the use of throws and throw.
         (2)   What is nested interface ?

3   **(c)**   Answer in Brief : (Any **One**)   **3**
         (1)   Explain list interface.
         (2)   Explain array interface.

3   **(d)**   Answer in Detail : (Any **One**)   **5**
         (1)   Explain exception handling in detail.
         (2)   Explain nested and inner class with example.

SECTION - D

4 (a) Objective Type Questions :   **4**
    (1) Which method is used to Set thread Priority ?
    (2) Which exception is thrown in cases when the file specified for writing is not found ?
    (3) Which keywords are used to implement synchronization ?
    (4) Which method is used to begin the execution of a thread ?

4 (b) Answer in Brief : (Any **One**)   **2**
    (1) What is daemon thread ?
    (2) List out file operation explain any one.

4 (c) Answer in Brief : (Any **One**)   **3**
    (1) Explain file stream.
    (2) Explain multithreading.

4 (d) Answer in Detail : (Any **One**)   **5**
    (1) What is thread ? Explain life cycle in detail.
    (2) Write a program create a file and write data.

SECTION - E

5 (a) Objective Type Questions :   **4**
    (1) Full Form of JDBC.
    (2) What is connection Interface ?
    (3) Full from of DML.
    (4) What is Meta Data ?

5 (b) Answer in Brief : (Any **One**)   **2**
    (1) What is JDBC ?
    (2) What is JDBC Driver ?

5 (c) Answer in Brief : (Any **One**)   **3**
    (1) What are steps to connect to the database in java?
    (2) What are the JDBC statements ?

5 (d) Answer in Detail : (Any **One**)   **5**
    (1) What is the difference between statement interface and prepared statement ?
    (2) Write a program CRUD operation with JDBC connection.