

MCA (Rep) Sem.-2 Examination

Java Programming

January-2025

Time : 3-00 Hours]

[Max. Marks : 50

Instructions: Draw Diagrams wherever necessary.**Make Assumptions wherever necessary.****SECTION - I****Q-1 Explain the following terms w[ith an appropriate example: 9**

- a. Wrapper Class
- b. Daemon Thread
- c. Byte Code

Q-2 Attempt the following : 8

- a. Explain JDK root directory with diagram
- b. Differentiate : Byte Stream Vs Character Stream

OR**Q-2 Attempt the following : 8**

- a. Difference between '==' and equals() in Java.
- b. Explain the purpose of JVM in Java

Q-3 Attempt the following : 8

- a. Draw the diagram of Collections hierarchy from the root, and explain any 2 classes
- b. Explain types of Exceptions with appropriate example

OR**Q-3 Attempt the following: 8**

- a. Explain different types of comments in Java
- b. Compare : String Buffer and String Builder
- c.

SECTION - II**Q-4 Explain the following Terms with an appropriate example. 9**

- a. Lambda Expressions
- b. Daemon Thread
- c. Abstract class

Q-5 Attempt the following: 8

- a. Discuss the benefit of Generic over non-generic types?
- b. Explain reading and writing in files in Java.

OR**Q-5 Attempt the following: 8**

- a. Explain Thread life cycle with diagram
- b. Discuss File handling in Java with at least with example

Q-6 Attempt the following: 8

- a. Explain basic Inputstream operations
- b. What are interfaces? Discuss the usage in detail

OR**Q-6 Attempt the following: 8**

- a. Differentiate : Comparator Vs Comparable
- b. Differentiate: "==" and equals() in Java