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223834

Roll No.

**3rd Sem /
Branch : Artificial Intelligence & Machine Learning
Sub.: JAVA TECHNOLOGIES**

Time : 3Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Which component is used of compile, debug and execute the Java programs (CO2)

- a) JRE
- b) JDK
- c) JIT
- d) JVM

Q.2 Java was developed at (CO1)

- a) AT & T Bells
- b) Dell
- c) Microsoft
- d) Sun Microsystem

Q.3 Which of the following is not a OOP features?(CO1)

- a) Encapsulation
- b) Pointer
- c) Polymorphism
- d) Data Hiding

Q.4 Which of the following can not be used for a variable name in Java? (CO1)

- a) Keyword
- b) Identifier
- c) Both A & B
- d) None of the above

- Q.5 Which of the following keyword is used for the block to be examined for the exception? (CO4)
a) Finally b) Catch
c) Try d) None of the above
- Q.6 The && is a operator (CO1)
a) Arithmetic b) Relational
c) Conditional d) Logical

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Object is an instance of a class. (True/False) (CO1)
- Q.8 JIT stands for _____. (CO2)
- Q.9 Java was developed by _____. (CO1)
- Q.10 Define base class. (CO3)
- Q.11 Define array. (CO1)
- Q.12 Define exception. (CO4)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Explain any four major features of Java. (CO1)

- Q.14 Differentiate method overloading and method overriding. (CO3)
- Q.15 Write a program to find the factorial of a given number in Java. (CO2)
- Q.16 Explain various access specifiers used in Java. (CO2)
- Q.17 Explain Wrapper class. (CO1)
- Q.18 Explain different types of exceptions in Java. (CO4)
- Q.19 How will you create thread class object? (CO4)
- Q.20 Define interface. How it is implemented in Java? (CO2)

- Q.21 How does a Java applet differ from application program? Explain. (CO4)
- Q.22 What is difference between hybrid inheritance and hierarchical inheritance? (CO3)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 What is object oriented programming? Explain its features. (CO1)
- Q.24 Explain various data types use in Java? What are their ranges? (CO1)
- Q.25 What is thread? How it can be created in Java? Explain with example? (CO4)