

Roll No.

Total Pages: 06

Paper ID: MD002

Course Code: CCMAD-02T

Examination (January - 2024)
Certificate/ Diploma (Semester-I)
Programme in Mobile Application Development
Programming using Java

Time Allowed: 2 Hours

Max. Marks: 70

Instructions for the Students

1. The question paper shall consist of 70 Multiple Choice questions.
2. All questions are compulsory. Each question carries 1 mark.
3. There will be no negative marking.

<p>Q1. Which of these keywords is used to define interfaces in Java?</p> <p>a) intf b) Intf c) interface d) Interfaces</p>	<p>Q2. Which of these access specifiers can be used for a class so that its members can be accessed by a different class in the different package?</p> <p>a) Public b). Protected c). Private d). No Modifier</p>
<p>Q3. Which of this package is used for analyzing code during run-time?</p> <p>a) java.io b) java.awt c). java.applet d). java.lang.reflect</p>	<p>Q4. An interface in Java is like a 100% ____.</p> <p>a) inner class b). public class c). abstract class d). anonymous class</p>
<p>Q5. Which of the following package stores all the standard java classes?</p> <p>a) lang b) java c) util d) java.packages</p>	<p>Q6. What will be output for the following code?</p> <pre>import java.io.*; class files { public static void main(String args[]) { File obj = new File("/java/system"); System.out.print(obj.canWrite()); System.out.print(" " + obj.canRead()); } }</pre> <p>a) true false b) false true c) true true d) false false</p>

<p>Q7.? ___ are classes that act as a connection point between event listeners and event sources</p> <ul style="list-style-type: none"> a) Event adapters b) Events Handler c) Event listener d) Jevent 	<p>Q8. Which of the following component gives a drop-down list of options from which to choose?</p> <ul style="list-style-type: none"> a) JPanel b) JButton c) JComboBox d) JBox
<p>Q9. What should be the correct order to close the database resource?What should be the correct order to close the database resource?</p> <ul style="list-style-type: none"> a. Connection, Statements, and then ResultSet b. ResultSet, Connection, and then Statements c. Statements, ResultSet, and then Connection d. ResultSet, Statements, and then Connection 	<p>Q10. Which of the following is not a valid statement in JDBC?</p> <ul style="list-style-type: none"> a. Statement b. PreparedStatement c. QueryStatement d. CallableStatement
<p>Q11. Select the packages in which JDBC classes are defined?</p> <ul style="list-style-type: none"> a. jdbc and javax.jdbc b. rdb and javax.rdb c. jdbc and java.jdbc.sql d. sql and javax.sql 	<p>Q12. Which of the following method is used to perform DML statements in JDBC?</p> <ul style="list-style-type: none"> a. executeResult() b. executeQuery() c. executeUpdate() d. execute()
<p>Q13 Which of the following option leads to the portability and security of Java?</p> <ul style="list-style-type: none"> a. Bytecode is executed by JVM b. The applet makes the Java code secure and portable c. Use of exception handling d. Dynamic binding between objects 	<p>Q14 Which of the following is not a Java features?</p> <ul style="list-style-type: none"> a. Dynamic b. Architecture Neutral c. Use of pointers d. Object-oriented
<p>Q15 _____ is used to find and fix bugs in the Java programs.</p> <ul style="list-style-type: none"> a. JVM b. JRE c. JDK d. JDB 	<p>Q16 Which of the following is a valid declaration of a char?</p> <ul style="list-style-type: none"> a. char ch = '\utea'; b. char ca = 'tea'; c. char cr = \u0223; d. char cc = '\itea';
<p>Q17 What is the return type of the hashCode() method in the Object class?</p> <ul style="list-style-type: none"> a. Object 	<p>Q18 Which of the following is a valid long literal?</p> <ul style="list-style-type: none"> a. ABH8097 b. L990023

<ul style="list-style-type: none"> b. int c. long d. void 	<ul style="list-style-type: none"> c. 904423 d. 0xnf029L
<p>Q19 Evaluate the following Java expression, if x=3, y=5, and z=10:</p> <p>++z + y - y + z + x++</p> <ul style="list-style-type: none"> a. 24 b. 23 c. 20 d. 25 	<p>Q20 Which of the following tool is used to generate API documentation in HTML format from doc comments in source code?</p> <ul style="list-style-type: none"> a. javap tool b. javaw command c. Javadoc tool d. javah command
<p>Q21 Which of the following creates a List of 3 visible items and multiple selections abled?</p> <ul style="list-style-type: none"> a. new List(false, 3) b. new List(3, true) c. new List(true, 3) d. new List(3, false) 	<p>Q22 Who invented Java Programming?</p> <ul style="list-style-type: none"> a) Guido van Rossum b) James Gosling c) Dennis Ritchie d) Bjarne Stroustrup
<p>Q23 Which statement is true about Java?</p> <ul style="list-style-type: none"> a) Java is a sequence-dependent programming language b) Java is a code dependent programming language c) Java is a platform-dependent programming language d) Java is a platform-independent programming language 	<p>Q24 Which component is used to compile, debug and execute the java programs?</p> <ul style="list-style-type: none"> a) JRE b) JIT c) JDK d) JVM
<p>Q25 Which one of the following is not a Java feature?</p> <ul style="list-style-type: none"> a) Object-oriented b) Use of pointers c) Portable d) Dynamic and Extensible 	<p>Q26 Which of these cannot be used for a variable name in Java?</p> <ul style="list-style-type: none"> a) identifier & keyword b) identifier c) keyword d) none of the mentioned
<p>Q27 What is the extension of java code files?</p> <ul style="list-style-type: none"> a) .js b) .txt c) .class d) .java 	<p>Q28 Which environment variable is used to set the java path?</p> <ul style="list-style-type: none"> a) MAVEN_Path b) JavaPATH c) JAVA d) JAVA_HOME
<p>Q29 Which of the following is not an OOPS concept in Java?</p> <ul style="list-style-type: none"> a) Polymorphism b) Inheritance c) Compilation d) Encapsulation 	<p>Q30 What is not the use of “this” keyword in Java?</p> <ul style="list-style-type: none"> a) Referring to the instance variable when a local variable has the same name b) Passing itself to the method of the same class c) Passing itself to another method d) Calling another constructor in constructor chaining
<p>Q31 Which of the following is a type of polymorphism in Java Programming?</p>	<p>Q32 What is Truncation in Java?</p> <ul style="list-style-type: none"> a) Floating-point value assigned to a Floating type

<p>a) Multiple polymorphism b) Compile time polymorphism c) Multilevel polymorphism d) Execution time polymorphism</p>	<p>b) Floating-point value assigned to an integer type c) Integer value assigned to floating type d) Integer value assigned to floating type</p>
<p>Q33 What is the extension of compiled java classes? a) .txt b) .js c) .class d) .java</p>	<p>Q34 Which exception is thrown when java is out of memory? a) MemoryError b) OutOfMemoryError c) MemoryOutOfBoundsExpection d) MemoryFullExpection</p>
<p>Q35 Which of these are selection statements in Java? a) break b) continue c) for() d) if()</p>	<p>Q36 Which of the following is a superclass of every class in Java? a) ArrayList b) Abstract class c) Object class d) String</p>
<p>Q37 Which of the below is not a Java Profiler? a) JProfiler b) Eclipse Profiler c) JVM d) JConsole</p>	<p>Q38 Which of these packages contains the exception Stack Overflow in Java? a) java.io b) java.system c) java.lang d) java.util</p>
<p>Q39 Which of these keywords are used for the block to be examined for exceptions? a) check b) throw c) catch d) try</p>	<p>Q40 Which of these package is used for text formatting in Java programming language? a) java.text b) java.awt c) java.awt.text d) java.io</p>
<p>Q41 Which of this class can be used to format dates and times? a) Date b) SimpleDate c) DateFormat d) textFormat</p>	<p>Q42 Which of these method returns an instance of DateFormat that can format time information? a) getTime() b) getTimeInstance() c) getTimeDateinstance() d) getDateFormatinstance()</p>
<p>Q43 Which of these class allows us to define our own formatting pattern for dates and time? a) DefinedDateFormat b) SimpleDateFormat c) ComplexDateFormat d) UsersDateFormat</p>	<p>Q44 Which of these formatting strings of SimpleDateFormat class is used to print AM or PM in time? a) a b) b c) c d) d</p>
<p>Q45 Which of these packages contains all the classes and methods required for even handling in Java? a) java.applet b) java.awt c) java.event d) java.awt.event</p>	<p>Q46 What is an event in delegation event model used by Java programming language? a) An event is an object that describes a state change in a source b) An event is an object that describes a state change in processing c) An event is an object that describes any change by the user and system d) An event is a class used for defining object, to create events</p>

<p>Q47 Which of these methods are used to register a keyboard event listener?</p> <p>a) KeyListener() b) addKistener() c) addKeyListener() d) eventKeyListener()</p>	<p>Q48 Which of these keywords is used to define packages in Java?</p> <p>a) pkg b) Pkg c) package d) Package</p>
<p>Q49 Which of these is a mechanism for naming and visibility control of a class and its content?</p> <p>a) Object b) Packages c) Interfaces d) None of the Mentioned.</p>	<p>Q50 JDK stands for ____.</p> <p>A. Java development kit B. Java deployment kit C. JavaScript deployment kit D. None of these</p>
<p>Q51 JRE stands for ____.</p> <p>A. Java run ecosystem B. JDK runtime Environment C. Java Runtime Environment D. None of these</p>	<p>Q52 What makes the Java platform independent?</p> <p>A. Advanced programming language B. It uses bytecode for execution C. Class compilation D. All of these</p>
<p>Q53 What are the types of memory allocated in memory in java?</p> <p>A. Heap memory B. Stack memory C. Both A and B D. None of these</p>	<p>Q54 What is the entry point of a program in Java?</p> <p>A. main() method B. The first line of code C. Last line of code D. main class</p>
<p>Q55 Which keyword in java is used for exception handling?</p> <p>A. exep B. excepHand C. throw D. All of these</p>	<p>Q56 Which class in Java is used to take input from the user?</p> <p>A. Scanner B. Input C. Applier D. None of these</p>
<p>Q57 Method used to take a string as input in Java?</p> <p>A. next() B. nextLine() C. Both A. and B. D. None of these</p>	<p>Q58 Which of the following is the correct syntax to create a variable in Java?</p> <p>A. var name; B. int name; C. var name int; D. All of these</p>
<p>Q59 hich of these is a type of variable in Java?</p> <p>A. Instance Variable B. Local Variable</p>	<p>Q60 What is type casting in Java?</p> <p>A. It is converting type of a variable from one type to another</p>

<p>C. Static Variable D. All of these</p>	<p>B. Casting variable to the class C. Creating a new variable D. All of these</p>
<p>Q61 Which of the following can be declared as final in java?</p> <p>A. Class B. Method C. Variable D. All of these</p>	<p>Q62 The break statement in Java is used to ____.</p> <p>A. Terminates from the loop immediately B. Terminates from the program immediately C. Skips the current iteration D. All of these</p>
<p>Q63 Array in java is ____.</p> <p>A. Collection of similar elements B. Collection of elements of different types C. The data type of consisting of characters D. None of these</p>	<p>Q64 Object in java are ____.</p> <p>A. Classes B. References C. Iterators D. None of these</p>
<p>Q65 What is garbage collection in java?</p> <p>A. Method to manage memory in java B. Create new garbage values C. Delete all values D. All of these</p>	<p>Q66 Static variables in java are declared as ____.</p> <p>A. final variables B. new variables C. Constants D. All of these</p>
<p>Q67 'this' keyword in java is ____.</p> <p>A. Used to hold the reference of the current object B. Holds object value C. Used to create a new instance D. All of these</p>	<p>Q68 The 'super' keyword is used to ____.</p> <p>A. Access instance of the parent class B. Access instance of the same class C. Access instance of child class D. Access instance of friend class</p>
<p>Q69 Abstract class is ____.</p> <p>A. Created using abstract keyword B. Contains only abstract method C. Needs to be inherited to be used D. All of these</p>	<p>Q70 Which method deletes a file in Java?</p> <p>A. file.delete() B. file.remove() C. file.garbage() D. file.dump()</p>