



Dr.G.R.Damodaran College of Science

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CRISL rated 'A' (TN) for MBA and MIB Programmes

III B.Com[IT] [2015-2018]

Semester V

Core:JAVA PROGRAMMING -515D

Multiple Choice Questions.

1. Which of the following option is not true about java programming language?
 - A. Java is high level programming language.
 - B. Java is platform independent.
 - C. javac is compiler.
 - D. Byte code is executed by CPU.

ANSWER: D

2. What is byte code in the context of Java?
 - A. The type of code generated by a Java compiler.
 - B. The type of code generated by a Java Virtual Machine.
 - C. It is another name for a Java source file.
 - D. It is the code written within the instance methods of a class.

ANSWER: A

3. Which of the following are primitive types?
 - A. Byte.
 - B. Integer.
 - C. String.
 - D. Float.

ANSWER: A

4. What is an example of polymorphism?
 - A. Inner class.
 - B. Anonymous classes.
 - C. Method overloading.
 - D. Method overriding.

ANSWER: C

5. The Java compiler translates source code into
 - A. machine code.
 - B. assembly code.
 - C. Byte code.
 - D. JVM code.

ANSWER: C

6. Which of the following is NOT a valid type in Java?
 - A. void.

- B. int.
- C. integer.
- D. static.

ANSWER: D

7. Which of the following is correct?

- A. Java platform is software only platform that runs on the top of other hardware based platform.
- B. Java platform has two components: JVM, API.
- C. Java technology is programming language as well as platform.
- D. All of the above.

ANSWER: D

8. Java was developed by _____.

- A. Sun Microsystems.
- B. Microsoft.
- C. Oracle.
- D. IBM.

ANSWER: A

9. Java _____ can run from a Web browser.

- A. applications.
- B. applets.
- C. servlets.
- D. Micro Edition programs.

ANSWER: B

10. _____ is interpreted.

- A. Java.
- B. C.
- C. C++.
- D. Pascal.

ANSWER: A

11. An _____ is a location in memory having a value and referenced by an identifier.

- A. object.
- B. data.
- C. information.
- D. directory.

ANSWER: A

12. In an object oriented system, everything is an _____

- A. object.
- B. material.
- C. software.
- D. hardware

ANSWER: A

13. _____ is the process of hiding all the internal details of an object from the outside world.

- A. Idea.
- B. Knowledge.
- C. Capsulation.

D. Encapsulation.

ANSWER: D

14. _____ is any kind of knowledge that is exchangeable amongst people, about things, facts, concepts, etc., in some context.

- A. Idea.
- B. Knowledge.
- C. Money.
- D. Information.

ANSWER: D

15. The processed data is known as_____.

- A. information.
- B. raw data.
- C. field.
- D. table

ANSWER: A

16. A _____ is a set of objects that share a common structure and a common behaviour.

- A. instructions.
- B. class.
- C. object.
- D. material.

ANSWER: B

17. A class is a blueprint for constructing of _____

- A. buildings.
- B. applications.
- C. objects.
- D. tools

ANSWER: C

18. IPv6 stands for

- A. Internet Protocol version 6.
- B. Information Path v 6.
- C. Input Program version 6.
- D. Instant Platform v6.

ANSWER: A

19. _____ is a set of rules or language use by computer and networking devices to communicate with one another.

- A. Software.
- B. Program.
- C. Virus.
- D. Protocol.

ANSWER: D

20. A _____ use by computer and networking devices such as file and print services.

- A. service.
- B. hardware.
- C. software.

D. connector.

ANSWER: A

21. _____ is one of the inventors of Java.

- A. Dannis Ritchie.
- B. James Gosling.
- C. Bjarne Strastrup.
- D. Balagurusamy

ANSWER: B

22. _____ is one of the java features that enables java program to run anywhere anytime.

- A. Objected-Oriented.
- B. Multithreaded.
- C. Platform-Independent.
- D. Dynamic & Extensible.

ANSWER: C

23. _____ is one of the java features that can handle multiple tasks simultaneously.

- A. Object-Oriented.
- B. Dynamic & Extensible.
- C. Platform-Independent.
- D. Multithreaded.

ANSWER: D

24. Runnable is _____

- A. Class
- B. Method
- C. Variable
- D. Interface

ANSWER: D

25. Java interpreter translates _____ into machine code.

- A. Bitcode.
- B. Bytecode(Virtual Machine Code)
- C. Machine Code.
- D. User Code.

ANSWER: B

26. Java compiler produces an intermediate code known as _____

- A. Bitcode.
- B. Machine Code
- C. Bytecodes
- D. User Code

ANSWER: C

27. _____ tool helps us to find errors in our programs.

- A. jhelp.
- B. javah.
- C. javap.
- D. jdb.

ANSWER: D

28. The _____ includes hundred of classes and methods grouped into several function packages.

- A. API.
- B. JVM.
- C. JAVAC.
- D. JRE

ANSWER: A

29. The java interpreter uses _____ method before any objects are created.

- A. Class.
- B. Main.
- C. Constructor.
- D. All the above.

ANSWER: B

30. _____ is use for naming classes, methods, variables etc in a program.

- A. Operator.
- B. Separator.
- C. Identifier.
- D. Constructor.

ANSWER: C

31. _____ is reserved keyword in java.

- A. Abstract.
- B. Extends.
- C. Package.
- D. All the above.

ANSWER: D

32. Java provides extensive set of classes, arranged in _____.

- A. package.
- B. library file.
- C. template class
- D. none.

ANSWER: A

33. The process of converting one date type to another is called_____

- A. translating.
- B. casting.
- C. compiling
- D. declaring

ANSWER: B

34. Java does not support _____.

- A. operator overloading.
- B. global variable.
- C. multiple inheritance.
- D. all the above

ANSWER: D

35. Program which executes applet is known as_____

- A. applet engine
- B. virtual machine
- C. JVM
- D. None of above

ANSWER: A

36. Which method executes only once

- A. start() method
- B. init() method
- C. stop() method
- D. destroy() method

ANSWER: B

37. _____ refer to fix value that does not change during the execution of a program.

- A. variables.
- B. constants.
- C. identifiers.
- D. integer.

ANSWER: B

38. _____ operators are used to construct mathematical expression as in algebra.

- A. Relational.
- B. Mathematical.
- C. Arithmetic.
- D. Logical.

ANSWER: C

39. Which constraint must be considered at the time of variable declaration?

- A. It should not be keyword.
- B. It must not begin with digit.
- C. White space not allowed.
- D. All the above.

ANSWER: D

40. The comparisons can be done with help of _____ operator.

- A. relational.
- B. mathematical.
- C. arithmetic.
- D. assignment.

ANSWER: A

41. Which of the following is not assignment operator?

- A. +=.
- B. ==.
- C. %=.
- D. =.

ANSWER: B

42. _____ operator is used to construct conditional expression.

- A. Dot(.).
- B. instanceof.

C. Ternary(?:).

D. None.

ANSWER: C

43. Which statement is use to terminate loop early?

A. Terminate.

B. Continue.

C. Skip.

D. Break.

ANSWER: D

44. Which statement is use to skip the loop and continue with the next iteration?

A. Continue.

B. Terminate.

C. Skip.

D. Break.

ANSWER: A

45. _____ is a group of contiguous or related data items that share a common name.

A. Variable.

B. Array.

C. Constant.

D. None.

ANSWER: B

46. Which of the following is the correct declaration statement in java program?

A. int num=new int[5].

B. int num=new num[5].

C. int[] num=new int[5].

D. None.

ANSWER: C

47. Java _____.

A. Only compiles.

B. Only interprets.

C. Compiles and then interprets.

D. Interprets & then compiles.

ANSWER: C

48. JVM stands for _____.

A. Java Virtual Method.

B. Java Virtual Machine.

C. Java Variable & Methods.

D. Java Versatile Machine.

ANSWER: B

49. Range of short variable is _____.

A. -128 to 128.

B. -128 to 127.

C. -32768 to 32767.

D. -32768 to 32768.

ANSWER: C

50. _____ is default access specifier in JAVA.

- A. friendly.
- B. private.
- C. protected.
- D. public.

ANSWER: A

51. _____ variables and methods can be called without using the objects.

- A. static.
- B. final.
- C. abstract.
- D. none of the above.

ANSWER: A

52. Which of the following statements is true?

- A. Java supports operator overloading.
- B. Java supports interfaces.
- C. Java supports pointers.
- D. Java supports multiple inheritance.

ANSWER: A

53. What keyword is used in Java to define a constant?

- A. static.
- B. final.
- C. abstract.
- D. private.

ANSWER: B

54. If two methods have same name but different parameter list then it is called _____.

- A. Method overriding.
- B. Method overloading.
- C. Operator overloading.
- D. None of these.

ANSWER: A

55. _____ constructor is created when object of particular class is created.

- A. Default.
- B. Parameterized.
- C. Copy.
- D. None of these.

ANSWER: A

56. _____ inheritance is not supported by JAVA.

- A. Multiple.
- B. Multi level
- C. Hierarcal.
- D. Hybrid.

ANSWER: A

57. The mechanism of deriving a new class from an old one is called _____.

- A. Method overriding.
- B. Method overloading.
- C. Operator overloading.
- D. Inheritance.

ANSWER: D

58. _____ keyword does not allow a method to be override in the subclass.

- A. public.
- B. abstract.
- C. final.
- D. static.

ANSWER: C

59. _____ methods must be override in the subclass.

- A. public.
- B. final.
- C. abstract.
- D. static.

ANSWER: C

60. The subclass constructor uses the _____ keyword to invoke the constructor of the superclass.

- A. super.
- B. final.
- C. static.
- D. public.

ANSWER: A

61. _____ is a special method in java that enables an object to initialize itself when it is created.

- A. constructor.
- B. destructor.
- C. static.
- D. final.

ANSWER: A

62. _____ defines only abstract methods and final fields.

- A. Interface.
- B. Final class.
- C. Abstract class.
- D. Class.

ANSWER: A

63. _____ keyword is used to inherit a class.

- A. extend.
- B. extends.
- C. implement.
- D. implements.

ANSWER: B

64. We cannot create a subclass of _____ class.

- A. abstract.

- B. public.
- C. static.
- D. final.

ANSWER: D

65. All syntax errors are known as _____ errors.

- A. Run-time.
- B. Exception.
- C. Logical.
- D. Compile-time.

ANSWER: D

66. Use of undeclared variables is the _____ type of error.

- A. Logical.
- B. Exception.
- C. Run-time.
- D. Compile-time.

ANSWER: D

67. Divided an integer by zero - is the example of _____ type of error.

- A. Compile-time.
- B. Run-time.
- C. Logical.
- D. Exception.

ANSWER: B

68. Converting invalid string to a number - is the _____ type of error.

- A. Run-time.
- B. Exception.
- C. Logical.
- D. Compile-time.

ANSWER: A

69. If we want the program to continue with the execution of the remaining code, then we should try to catch the exception object thrown by the error condition and then display an appropriate message for taking corrective action is known as _____.

- A. Exception handling.
- B. BufferedReader.
- C. Try.
- D. Catch.

ANSWER: A

70. _____ is caused when a conversion between string and number fails.

- A. Null Pointer Exception.
- B. Number Format Exception.
- C. IO Exception.
- D. Security Exception.

ANSWER: B

71. JIT meaning _____

- A. java in time

- B. join in time
- C. just in time
- D. None of the above

ANSWER: C

72. _____ presents a uniform, easy-to-use, object-oriented interface between the program and the input/output devices.

- A. Stream.
- B. Output.
- C. Input.
- D. Reader.

ANSWER: A

73. Character streams can be used to read and write _____ Unicode characters.

- A. 4-bit.
- B. 16-bit.
- C. 2-bit.
- D. 8-bit.

ANSWER: B

74. Which package is used for creating and implementing applets.

- A. java.lang.
- B. java.util.
- C. java.applet.
- D. java.awt.

ANSWER: C

75. _____ method is used to find the nth no. of character of given string s1.

- A. s1.index(n).
- B. s1.substring(n).
- C. s1.length().
- D. s1.charAt(n).

ANSWER: D

76. The _____ parameter is used to specify the applet class name.

- A. classname.
- B. code.
- C. name.
- D. codebase.

ANSWER: B

77. _____ is valid parameter to set the background color as red.

- A. setColor(RED).
- B. Color = RED.
- C. Color.RED.
- D. new Color(RED).

ANSWER: C

78. Through the applet life cycle _____ state occur only once.

- A. running.
- B. idle.

- C. born.
- D. none of these.

ANSWER: C

79. _____ is a passive control.

- A. Text field
- B. Lable.
- C. Button,
- D. None of these.

ANSWER: B

80. _____ is a single line edit control.

- A. Text field.
- B. Lable.
- C. Button.
- D. Text area.

ANSWER: A

81. In _____ component we can select multiple items.

- A. Option Button.
- B. Choice.
- C. List.
- D. None of these

ANSWER: C

82. In List, if no item is selected then the method `getSelectedIndex()` returns_____.

- A. 0
- B. 1
- C. -1
- D. NULL

ANSWER: C

83. To implement pop up style single content selection, _____ component is used.

- A. Text area.
- B. Button.
- C. List.
- D. Choice.

ANSWER: D

84. _____ is a multi-line edit control.

- A. Text field
- B. TextArea.
- C. label
- D. Button.

ANSWER: B

85. Which type of inheritance is not supported by java_____

- A. Single
- B. Multiple
- C. Mulilevel
- D. Hirarchical

ANSWER: B

86. Super is the predefined
- A. Keyword
 - B. Method
 - C. Keyword and Method
 - D. None of above

ANSWER: C

87. Execution of the program is always begins with_____
- A. Main method
 - B. class contain main method
 - C. parent class
 - D. default package

ANSWER: A

88. JDBC application must import _____ package.
- A. io.
 - B. sql.
 - C. event.
 - D. util.

ANSWER: B

89. The paint method accepts _____ type of argument.
- A. graphics.
 - B. graphic.
 - C. drawing.
 - D. none of these.

ANSWER: A

90. What is byte code in the context of Java?
- A. The type of code generated by a Java compiler.
 - B. The type of code generated by a Java Virtual Machine.
 - C. It is another name for a Java source file.
 - D. It is the code written within the instance methods of a class.

ANSWER: A

91. What is garbage collection in the context of Java?
- A. The operating system periodically deletes all of the java files available on the system.
 - B. Any package imported in a program and not used is automatically deleted.
 - C. When all references to an object are gone, the memory used by the object is automatically reclaimed.
 - D. The JVM checks the output of any Java program and deletes anything that doesn't make sense.

ANSWER: C

92. What output is displayed as the result of executing the following statement? `System.out.println ("// Looks like a comment.");`
- A. // Looks like a comment.
 - B. The statement results in a compilation error.
 - C. Looks like a comment.
 - D. No output is displayed.

ANSWER: A

93. In order for a source code file, containing the public class Test, to successfully compile, which of the following must be true?

- A. It must have a package statement.
- B. It must be named Test.java.
- C. It must import java.lang.
- D. It must declare a public class named Test.

ANSWER: B

94. What is the index value of a[3] as the result of the following array declaration?

- A. 1.
- B. 2.
- C. 3.
- D. 4.

ANSWER: D

95. Which of the following are primitive types?

- A. Byte.
- B. String.
- C. Integer.
- D. Float.

ANSWER: A

96. What is an example of polymorphism?

- A. Inner class.
- B. Anonymous classes.
- C. Method overloading.
- D. Method overriding.

ANSWER: C

97. An interface contains _____ methods.

- A. non-abstract.
- B. implemented.
- C. unimplemented.
- D. abstract.

ANSWER: C

98. Which of the following is not a wrapper class?

- A. String.
- B. Integer.
- C. Boolean.
- D. Character.

ANSWER: A

99. Which of the following methods are methods of the String class?

- A. delete().
- B. append().
- C. reverse().
- D. replace().

ANSWER: D

100. Process of creating exact copy of the existing object is called

- A. cloning
- B. overloading
- C. overriding
- D. coping

ANSWER: A

101. What is the name of the method used to schedule a thread for execution?

- A. int().
- B. start().
- C. run().
- D. resume().

ANSWER: B

102. Which of the following are true about the Error and Exception classes?

- A. Both classes extend Throwable.
- B. The Error class is final and the Exception class is not.
- C. The Exception class is final and the Error is not.
- D. Both classes implement Throwable.

ANSWER: A

103. Which method may cause a thread to stop executing?

- A. wait().
- B. notify().
- C. sleep().
- D. notify All().

ANSWER: C

104. Which of the following statements are true?

- A. UTF characters are all 8-bits.
- B. UTF characters are all 16-bits.
- C. UTF characters are all 24-bits.
- D. Unicode characters are all 16-bits.

ANSWER: D

105. How can you change the current working directory using an instance of the File class called FileName?

- A. FileName.chdir("DirName").
- B. FileName.cd("DirName").
- C. FileName.cwd("DirName").
- D. The File class does not support directly changing the current directory.

ANSWER: D

106. What tags are mandatory when creating HTML to display an applet?

- A. name, height, width.
- B. code, name.
- C. codebase, height, width.
- D. code, height, width.

ANSWER: D

107. Executable applet is_____

- A. .applet file
- B. .java html
- C. .java file
- D. .class file

ANSWER: D

108. What is the preferred way to handle an objects events in Java 2?

- A. Override the objects `handleEvent()` method.
- B. Add one or more event listeners to handle the events.
- C. Have the object override its `processEvent()` methods.
- D. Have the object override its `dispatchEvent()` methods.

ANSWER: B

109. The code below draws a line. What color is the line? `g.setColor(Color.red.green.yellow.red.cyan);`
`g.drawLine(0, 0, 100,100);`

- A. Red.
- B. Yellow.
- C. Cyan.
- D. Black.

ANSWER: C

110. What code would you use to construct a 24-point bold serif font?

- A. `new Font(Font.SERIF, 24,Font.BOLD);`
- B. `new Font("SERIF", Font.BOLD,24);`
- C. `new Font("BOLD ", 24,Font.SERIF);`
- D. `new Font(Font.SERIF, "BOLD", 24);`

ANSWER: B

111. Which of the following are passed as an argument to the `paint()` method?

- A. A Canvas object.
- B. A Graphics object.
- C. An Image object.
- D. A Paint object.

ANSWER: B

112. Which of the following methods are invoked by the AWT to support paint and repaint operations?

- A. `paint()`.
- B. `repaint()`.
- C. `draw()`.
- D. `redraw()`.

ANSWER: A

113. Which Component method is used to access a component's immediate Container?

- A. `setVisible()`.
- B. `getImmediate`.
- C. `getParent()`.
- D. `getContainer`.

ANSWER: C

114. Which method is used to set the text of a Label object?

- A. `setText()`.

- B. setLabel().
- C. setTextLabel().
- D. setLabelText().

ANSWER: A

115. Which constructor creates a TextArea with 10 rows and 20 columns?

- A. new TextArea(10, 20).
- B. new TextArea(20, 10).
- C. new TextArea(new Rows(10), new columns(20)).
- D. new TextArea(200).

ANSWER: A

116. Which method is method to set the layout of a container?

- A. startLayout().
- B. initLayout().
- C. layoutContainer().
- D. setLayout().

ANSWER: D

117. Which method can't be overridden_____

- A. super
- B. static
- C. final
- D. println

ANSWER: C

118. Which layout should you use to organize the components of a container in a tabular form?

- A. CardLayout.
- B. BorderedLayout.
- C. FlowLayout.
- D. GridLayout.

ANSWER: D

119. There are _____ types of Comments in Java.

- A. one.
- B. two.
- C. three.
- D. four.

ANSWER: D

120. Java enables the creation of cross-platform programs by compiling into an intermediate representation called Java _____.

- A. byte code.
- B. firewall.
- C. tetra code.
- D. view code.

ANSWER: A

121. All statements in Java end with a _____.

- A. colon.
- B. semicolon.

C. hyphen.

D. dot.

ANSWER: B

122. _____ is a feature that allows one interface to be used for a general class of actions.

A. Class.

B. Inheritance.

C. Polymorphism.

D. Interface.

ANSWER: C

123. The term _____ refers to a class's direct ancestor or to any of its ascendant classes.

A. sub class.

B. super class.

C. class hierarchy.

D. class instance.

ANSWER: B

124. A single-line comment begins with a _____ and ends at the end of the line.

A. /.

B. //.

C. /*.

D. **.

ANSWER: B

125. _____ code segments must be implemented for an event handler.

A. One.

B. Two.

C. Three.

D. Four.

ANSWER: C

126. A class is declared by use of the _____ keyword.

A. object.

B. class.

C. instance.

D. method.

ANSWER: B

127. The new operator dynamically allocates _____ for an object and returns a reference to it.

A. classes.

B. variables.

C. memory.

D. none of these above.

ANSWER: C

128. Hot java is _____

A. System software

B. Web browser

C. IDE

D. Java environment

ANSWER: B

129. In general, there are _____ ways that a computer language can pass an argument to a subroutine.
- A. one.
 - B. two.
 - C. three.
 - D. four.

ANSWER: B

130. finalize() is only called just prior to _____.
- A. initialization.
 - B. runtime.
 - C. garbage collection.
 - D. destruction.

ANSWER: C

131. The data, or variables, defined within a class are called _____ variables.
- A. object.
 - B. class.
 - C. instance.
 - D. schema.

ANSWER: C

132. In this example `class-var = new classname()`; The class name followed by parentheses specifies the _____ for the class.
- A. objects .
 - B. constructor.
 - C. variables.
 - D. memory.

ANSWER: B

133. You would use the ____ operator to create a single instance of a named class.
- A. new.
 - B. dot.
 - C. equal.
 - D. <>.

ANSWER: A

134. What is the default thread at the time of starting the program?
- A. Main Thread.
 - B. Thread Group.
 - C. Child Thread.
 - D. Child Thread.

ANSWER: A

135. What is the use of `valueOf()` method?
- A. It converts data from its internal format into a human-readable form.
 - B. It converts integer value to string.
 - C. It converts string to int value.
 - D. It converts string to float value.

ANSWER: D

136. What are the part in executing a Java program and their purposes?

- A. Java Compiler.
- B. Java Interpreter.
- C. Java Pre-processor.
- D. Directive Pre-processor.

ANSWER: A

137. What is the unit for 1000 in the below statement? ob.sleep(1000)

- A. Long milliseconds.
- B. Double milliseconds.
- C. Int milliseconds.
- D. Float milliseconds.

ANSWER: A

138. Smallest individual unit in java program is known as _____

- A. string
- B. literal
- C. token
- D. operator

ANSWER: C

139. Which of the function is used to convert String to Number in java program?

- A. toNumber().
- B. conString().
- C. valueOf().
- D. toString().

ANSWER: C

140. The class that inherits is called a _____.

- A. superclass.
- B. subclass .
- C. instance class.
- D. instantiate class.

ANSWER: B

141. A subclass is also called as _____.

- A. inner class.
- B. nested class.
- C. derived class.
- D. hidden class.

ANSWER: C

142. Which of the following classes are not available in the java.lang package?

- A. Stack.
- B. Object.
- C. Math.
- D. String.

ANSWER: A

143. Which of the following method not belong to the String class?

- A. length().
 - B. reverse().
 - C. compareTo().
 - D. equals().
- ANSWER: B

144. What default value is used for the variable of type char, if it is not assigned a value?

- A. '\uffff'.
 - B. '\u0000'.
 - C. " " (space).
 - D. '\u0001'.
- ANSWER: B

145. The methods wait() and notify() are defined in _____.

- A. java.lang.Object.
 - B. java.lang.Runnable.
 - C. ava.lang.Object.
 - D. java.lang.Thread.
- ANSWER: C

146. When we implement the Runnable interface, we must define the ____ method.

- A. run().
 - B. start().
 - C. init()
 - D. main().
- ANSWER: A

147. The keywords reserved but used in the initial version of JAVA are _____.

- A. union.
 - B. const.
 - C. inner.
 - D. goto.
- ANSWER: A

148. A function is _____.

- A. an entity that receives inputs and outputs.
 - B. a way of storing values.
 - C. a sequence of characters enclosed by quotes.
 - D. a kind of computer.
- ANSWER: A

149. Java uses _____ to represent character

- A. ASCII code
 - B. Unicode
 - C. Byte code
 - D. None of the above
- ANSWER: B

150. Threads can be created by extending _____ class.

- A. new.
- B. operator.

C. thread.
D. super thread.
ANSWER: C

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