JAVA – UNIT - 3

**3.1**

1) Which looping statement is called as pretest looping statement

A) Do while loop

B) While loop

C) For loop

D) Switch statement

2) In which looping statement the decision statement will not be there at the beginning

A) Do-while loop

B) While loop

C) Both

D) None of the above

3) \_\_\_\_\_\_\_\_\_\_\_\_\_loop always requires the statements within the loop to be executed at least once by the computer

A) Do-while loop

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4) If for(expression1;expression2;expression3) is the syntax of for loop, then what happens if we omit all the three expressions(expression1;expression2;expression3) in the for loop

A) Syntax error

B) Logical error

C) Leads to infinite loop

D) Run time error

5) Find out the correct way to declare array

A) Int a[10]

B) Array a[10]= new array[10]

C) Int a[SIZE]

D) Int a=new int[10]

6) The original idea of introducing an array

A) To store the values

B) To reduce the amount of code required to assign numbers to memory and output the numbers from memory.

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D) All the above

7) AVI class that can be used to select multiple values at a time is

A) RadioButton class

B) CheckBox class

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8) The member function that can be used to display the checkbox over the window container is

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A) Unchecked

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ANSWER: B

11) JAVA library class that will be used to format the numbers for outputs is

A) FormatNumber class

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12) getCurrencyInstance is a method which can

A) Get the currency online

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A) Perform percentile operation

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14) What will be the output for the following program? $ class Test { $ public Static void main(String[] args)${ $do $while (true)$ System.out.println("HELLO");$while (false); $} $ }

A) HELLO

B) Compile time error

C) No Output

D) HELLO (infinitely)

15) What will be the output for the following program? $class Test { $ public static void main(String[] args) ${ $do$ System.out.println("FRIENDS"); $ while (true); $System.out.println("ENEMY");$ } $}

A) Compile time error

B) FRIENDS

C) No output

D) ENEMY

16) \_\_\_\_\_\_\_\_\_\_\_ statement provides an easy way to dispatch execution to different parts of your code based on the value of an expression

A) If-Else

B) Switch

C) If

D) While

17) State whether the following statements about switch statement are correct

i) Switch statement often provides a better alternative than a large series of if else if statements$

ii) The break statement is used inside the switch to terminate a statement sequence

A) True False

B) False True

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A) If switch

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19) What will be the output of the following code snippet? $int a=15;$int b=25;$if ((a<b) || (a=5)>15)$ system.out.println(a);$else$system.out.println(b);

A) Error

B) 15

C) 25

D) No output

20) Which of the following control expressions are valid for an if statement

A) An integer expression

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C) Either A or B

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21) By using \_\_\_\_\_\_\_\_\_\_\_\_you can force immediate termination of loop bypassing the conditional expression and any remaining code in the body of the loop

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D) Default

22) In JAVA arrays are

A) Objects

B) Object reference

C) Primitive data type

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23) Which of the following is FALSE about arrays on Java

A) A java array is always an object

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24) Which of these operators is used to allocate memory to array variable in Java

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25) What is subclass in java

A) A subclass is a class that extends another class

B) A subclass is a class declared inside a class

C) Both above.

D) None of the above.

ANSWER: A

26) If class B is subclassed from class A then which is the correct syntax

A) Class B:A

B) Class B extends A

C) Class B extends class A

D) Class B implements A

27) Advantage of inheritance in java programming is or are

A) Code Re-usability

B) Class Extendibility

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28) In which java oops feature one object can acquire all the properties and behaviors of the parent object

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B) Inheritance

C) Polymorphism

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ANSWER: B

29) Java inheritance is used

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30) Which of the following keywords can be used to inherit a class

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31) What is a superclass

A) Child class

B) Derived class

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D) Parent class

32) Usage of java super Keyword

A) Super is used to refer immediate parent class instance variable

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33) A subclass may replace an inherited method from a superclass When a subclass

defines a method with the same name return type

and argument list as a method in a superclass the superclass method is said to be

A) Overriden

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C) Inheritance

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39) A method is defined by the methods signature and has no method body is called as

A) Instance method

B) Inherited method

C) Abstract method

D) No such methods

40) Abstract class means

A) A class with atleast one abstract method

B) A class with no methods

C) A class with no abstract methods

D) A class which should have all methods as abstract methods

41) An \_\_\_\_\_\_\_\_\_\_\_ is a class that contains only abstract methods and/or constants

A) Abstract class

B) Instance class

C) Interface

D) Package

42) Which of the following statement is true about interface

A) Only requires another class to implement the methods by its own

B) The interface supplies a specification of methods and requires another class to implement the methods of the specification

C) The interface supplies the specification of methods and asks other class to verify whether the specifications are correct or not

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43) The ability of one class to inherit from more than one superclass is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and is forbidden in Java

A) Multilevel Inheritance

B) Hybrid Inheritance

C) Hierarchical Inheritance

D) Multiple Inheritance

44) In JAVA we can achieve multiple inheritance through

A) Interface

B) Inheritance

C) Packages

D) Forbidden in JAVA

45) Java will permit multiple inheritance of \_\_\_\_\_\_\_\_\_\_\_ but not \_\_\_\_\_\_\_\_\_\_\_\_

A) Classes Interfaces

B) Packages Interfaces

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C) Object can be passed as a parameter to a class method

D) All the above

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A) Can get access to the shadowed variable

B) Can get access to the overriden methods

C) Both A and B

D) Neither A nor B

49) Abstract class can be Instatiated

A) True

B) False

50) When a class contains at least one abstract method the class is automatically taken to be abstract

A) True

B) False

**3.2**

1.In JAVA, the slider class take as one of the following as input

A) only integer values

B) both integer and floating values

C) only string value

D) all the values

2.Using Radio button class, you can obtain

A) name of the button

B) position of the button

C) both name and position of the button

D) none of the mentioned

3.Using Radio button class, you can give the following number of input

A) 1

B) 2

C) many

D) none

4.When using logical AND, if condition X is false, there is no need for the computer to evaluate condition Y.

A) false

B) true

5.When using logical OR, if condition X is true, there is a need for the computer to evaluate condition Y.

A) false

B) true

6.All the primitive types have corresponding classes that provide some general methods that are useful when dealing with data of the specified type

A) Helper method

B) Wrapper class

C) Static method

D) None

7.Its purpose is to inform the user of any events that are happening when a program is running

A) Slider class

B) Radio Button class

C) Memo class

D) None

8.What will happen if the Boolean mode of a Memo class is set as True

A) the only way to advance to the next executable statement in the program is by closing the memos window

B) then the computer will advance to the next executable program instruction without waiting for you to even read what is contained in the memo object

C) Error

D) None of the above

9.It is possible to pass data as command-line argument strings and convert the strings to any primitive data type using

A) Slider class

B) Radio Button class

C) String class

D) Wrapper class

10.Array and String are

A) value type

B) reference type

C) both value and reference type

D) None of the above

11.The following sound file formats are supported in AudioClass file

A) mp3, au, wav

B) only mp3

C) only au

D) both au and wav

12.The maximum frequency supported to play AudioClass file is

A) 35.1 KHz

B) 44.1 KHz

C) 45.1 KHz

D) 46.1 KHz

13.Which class is used to fetch the details of current date and time

A) Radio Button class

B) Slider class

C) Memo class

D) Timer class

14. Timer class important to the avi package since it offers a \_\_\_\_\_\_\_\_\_\_\_\_\_ othat allows a pause between playing sounds or showing pictures simultaneously each on a different processor.

A) sleep method

B) delay method

C) pause method

D) alarm method

15. One feature of the Audio and FilmStrip classes is they both use \_\_\_\_\_\_\_\_\_ in their constructors

A) arrays

B) String

C) both arrays and String

D) None of the the above

16.One method of exiting from a switch statement is through the use of a \_\_\_\_\_\_\_ statement at the end of every case list

A) exit

B) return

C) break

D) None of the above

17. A boolean variable is initialized by Java to be \_\_\_\_\_\_\_

A) true

B) false

18. Which of the following is true

A) Using a slider class object it is possible to read multiple values

B) Using a DialogBox class object it is possible to read multiple values

C) Using a Radio Button class object it is possible to read multiple values

D) all the above

19.What will be the output of the following program? $ class Test { $ public static void main(String[] args) $ { int x = 10; $ if (x) { $ System.out.println("HELLO GEEKS"); $ } else { $ System.out.println("BYE"); $ }}}

A) HELLO GEEKS

B) Compile time error

C) Runtime Error

D) BYE

20.What will be the output of the following program? $ class Test { $ public static void main(String[] args) $ { int x = 10, y = 20; $ if (x < y) { $ if (x > y) { $ System.out.println("HELLO GEEKS"); $ } else { $ System.out.println("WELCOME"); $ }}}}

A) HELLO GEEKS

B) Compile time error

C) WELCOME

D) No Output

21.What will be the output of the following program? $ class Test { $ public static void main(String[] args) $ { $ if (true) $ ; $ }}

A) No Output

B) Compile time error

C) Runtime error

D) Runtime Exception

22.What will be the output of the following program? $ class Test { $ public static void main(String[] args) $ { int x = 10; $ Switch(x) $ { $ System.out.println("GEEKS"); $ }}}

A) GEEKS

B) Compile time error

C) No Output

D) Runtime error

23.What will be the output of the following program? $ class Test { $ public static void main(String[] args) $ { int x = 10; $ Switch(x + 1 + 1) $ { $ case 10: System.out.println("HELLO"); $ break; $ case 10 + 1 + 1: System.out.println("GEEKS"); $ break; $ }}}

A) Compile time error

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A) HELLO

B) BYE

C) Compile time error

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25.What will be the output of the following program? $ class Test { $ int x = 10; $ public static void main(String[] args) $ { Test1 t1 = new Test1(); $ Test1 t2 = new Test1(); $ t1.x = 20; $ System.out.print(t1.x + " "); $ System.out.println(t2.x); $ }}

A) 10 10

B) 20 20

C) 10 20

D) 20 10

26. In switch statement if we dont give default statement the program will execute successfully

A) True

B) false

27. In Java, it is not compulsory to pass break after each case

A) True

B) false

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59.Java inheritance is used

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60.Which of the following keywords can be used to inherit a class

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B) This

C) Extent

D) Extends

61.What is a superclass

A) Child class

B) Derived class

C) Declared class

D) Parent class

62.Usage of java super Keyword

A) Super is used to refer immediate parent class instance variable

B) Super is used to invoke immediate parent class constructor

C) Super is used to invoke immediate parent class method

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63.A subclass may replace an inherited method from a superclass When a subclass defines a method with the same name return type and argument list as a method in a superclass the superclass method is said to be

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C) Hierarchical Inheritance

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B) Inheritance

C) Packages

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