

**PUNE VIDYARTHI GRIHA'S  
COLLEGE OF SCIENCE & TECHNOLOGY**

**Regular Examination December-2020  
Information Technology (Semester-III)**

Note: 1. Attempt any 40 from given 50 Question

Total 60 Marks

2. Each correct question Carry 1.5 marks

1 hour

**Subject –Core Java**

1. Which statement is true about java?
  - a) Platform independent programming language
  - b) Platform dependent programming language
  - c) Code dependent programming language
  - d) Sequence dependent programming language
2. Which of the tool is used to compile java code ?
  - a) java
  - b) jar
  - c) javac
  - d) javadoc
3. Which of the following statements are true for inheritance in Java?
  - a) The “extend” keyword is used to extend a class in java.
  - b) You can extend multiple classes in java.
  - c) Private members of the superclass are accessible to the subclass.
  - d) We can't extend Final classes in java.
4. The benefits of the Object Orientation are: ( choose two )
  - a) Inheritance
  - b) Polymorphism
  - c) InFlexibility
  - d) Maintainability
5. The most common reasons to use inheritance is
  - a) To use interface
  - b) To use abstraction
  - c) To promote code reuse
  - d) To use polymorphism
6. Method overloading is done during \_\_\_\_\_.
  - a) binding
  - b) bLate binding
  - c) Program compilation
  - d) Runtime
7. Which concept of Java is achieved by combining methods and attribute into a class?
  - a) Encapsulation
  - b) Inheritance
  - c) Polymorphism

- d) Abstraction
- 8. Hiding the implementation complexity can \_\_\_\_\_
  - a) Make the programming easy
  - b) Make the programming complex
  - c) Provide more number of features
  - d) Provide better features.
- 9. Which among the following is not a level of abstraction?
  - a) Logical level
  - b) Physical level
  - c) View level
  - d) External level
- 10. Which feature can be implemented using encapsulation?
  - a) Inheritance
  - b) Abstraction
  - c) Polymorphism
  - d) Overloading
- 11. Which Feature of OOP illustrated the code reusability?
  - a) Polymorphism
  - b) Abstraction
  - c) Encapsulation
  - d) Inheritance
- 12. java is an .....
  - a) Programming language
  - b) Object oriented language
  - c) Oriented language
  - d) Command line language
- 13. Java support ..... and .....
  - a) Class and object
  - b) Language and object
  - c) Variable and class
  - d) Variable and language
- 14. OOPS stands for.....
  - a) Object operation procedure sequence
  - b) Oriented object program sequence
  - c) Object oriented programming system
  - d) Object oriented programming source
- 15. Which of these class is superclass of string and stringBuffer class?
  - a) java.util
  - b) java.lang
  - c) ArrayList
  - d) String
- 16. Which of these operator can be used to concatenate two or more String object?
  - a) +
  - b) +=
  - c) &
  - d) ||
- 17. Which of these method of class String is used to obtain length of String object?
  - a) get()
  - b) Sizeof()
  - c) lengthof()
  - d) length()
- 18. Which of these method of class string is used to extract a single character from a String object?

- a. CHARAT()
- b. charat()
- c. charAt()
- d. . CharAt()

19. Which of these constructors is used to create an empty String object?

- a. String()
- b. String(void)
- c. String(0)
- d. String(args)

20. The smallest integer type is ..... and its size is ..... bits.

- a. short, 8
- b. byte, 8
- c. short, 16
- d. short, 16

21. What is true about a break?

- a) Break stops the execution of entire program
- b) Break halts the execution and forces the control out of the loop
- c) Break forces the control out of the loop and starts the execution of next iteration
- d) Break halts the execution of the loop for certain time frame

22. What is true about do statement?

- a) do statement executes the code of a loop at least once
- b) do statement does not get execute if condition is not matched in the first iteration
- c) do statement checks the condition at the beginning of the loop
- d) do statement executes the code more than once always

23. Which of the following is used with the switch statement?

- a) Continue
- b) Exit
- c) break
- d) do

24. What is the valid data type for variable "a" to print "Hello World"?

```
switch(a)
{
    System.out.println("Hello World");
}
```

- a) int and float
- b) byte and short
- c) char and long
- d) byte and char

25. Which of the following is not a decision making statement?

- a) if
- b) if-else
- c) switch
- d) do-while

26. Which of the following is not a valid jump statement?

- a) break
- b) goto
- c) continue
- d) return

27. From where break statement causes an exit?

- a) Only from innermost loop
- b) Terminates a program
- c) Only from innermost switch
- d) From innermost loops or switches

28. Which of the following is not a valid flow control statement?

- a) exit()
- b) break
- c) continue
- d) return

29. What is stored in the object obj in following lines of Java code?

```
box obj;
```

- a) Memory address of allocated memory of object
- b) NULL
- c) Any arbitrary pointer
- d) Garbage

30. Which of these keywords is used to make a class?

- a) class
- b) struct
- c) int
- d) none of the mentioned

31. Which of the following is a valid declaration of an object of class Box?

- a) Box obj = new Box();
- b) Box obj = new Box;
- c) obj = new Box();
- d) new Box obj;

32. Which of these operators is used to allocate memory for an object?

- a) malloc
- b) alloc
- c) new
- d) give

33. Which of these statement is incorrect?

- a) Every class must contain a main() method
- b) Applets do not require a main() method at all
- c) There can be only one main() method in a program
- d) main() method must be made public

34. Which of these is a mechanism for naming and visibility control of a class and its content?

- a) Object
- b) Packages
- c) Interfaces
- d) Class.

35. Which of these keywords is used to define interfaces in Java?

- a) interface
- b) Interface
- c) intf
- d) Intf

36. Which of these access specifiers can be used for an interface?

- a) Public
- b) Protected
- c) private
- d) Private and public

37. Which of these keywords is used by a class to use an interface defined previously?

- a) import
- b) Import
- c) implements
- d) Implements

38. Which of this access specifiers can be used for a class so that its members can be accessed by a different class in the same package?

- a) Public
- b) Protected
- c) No Modifier
- d) All of the mentioned

39. Which methods are commonly used in ServerSocket class?

- a) public OutputStream getOutputStream()
- b) **public Socket accept()**
- c) public synchronized void close()
- d) None of the above

40. Which class is used to create servers that listen for either local client or remote client programs?

- a) **ServerSockets**
- b) httpServer
- c) httpResponse
- d) http ServerRespons

41. Which package provides core functionality?

- a) java.net
- b) java.rmi
- c) **java.lang**
- d) java.math

42. Which of these methods can be used to output a string in an applet?

- a) display()
- b) print()
- c) drawString()
- d) transient()

43. Which of these functions is called to display the output of an applet?

- a) display()
- b) paint()

- c) displayApplet()
- d) PrintApplet()

44. Which of these methods are used to register a keyboard event listener?

- a) KeyListener()
- b) addKistener()
- c) addKeyListener()
- d) eventKeyListener()

45. Which of these classes are used by Byte streams for input and output operation?

- a) InputStream
- b) InputOutputStream
- c) Reader
- d) Writer

46. Which of these modifiers can be used for a variable so that it can be accessed from any thread or parts of a program?

- a) transient
- b) volatile
- c) global
- d) No modifier is needed

47. Which of these method is used to implement Runnable interface?

- a) stop()
- b) run()
- c) runThread()
- d) stopThread()

48. How to copy contents of array?

- a) System.arrayCopy()
- b) Array.copy()
- c) Arrays.copy()
- d) Collection.copy()

49. Which of these exceptions handles the divide by zero error?

- a) ArithmeticException
- b) MathException
- c) IllegalAccessException
- d) IllegarException

50. What is multithreaded programming?

- a) It's a process in which two different processes run simultaneously
- b) It's a process in which two or more parts of same process run simultaneously
- c) It's a process in which many different process are able to access same information
- d) It's a process in which a single process can access information from many sources

