

COLLEGE OF ENGINEERING ROORKEE

JAVA PROGRAMMING (BCST-504)

QUIZ QUESTIONS

1. _____ is not a Java features. CO-1
- a. Robust & Secure
 - b. Architecture Neutral
 - c. **Use of pointers**
 - d. Object-oriented
2. _____ for loop declaration is not valid. CO-1
- a. **for (int i = 99; i >= 0; i / 9)**
 - b. for (int i = 7; i <= 77; i += 7)
 - c. for (int i = 20; i >= 2; - i)
 - d. for (int i = 2; i <= 20; i = 2* i)
3. An interface with no fields or methods is known as a CO-1
- a. Runnable Interface
 - b. **Marker Interface**
 - c. Abstract Interface
 - d. CharSequence Interface
4. Check the following code and select the correct option :- CO-1
- ```
package coer;
public class MyClass
{int i; public int j; protected int k; private int l ;}
```
- a. Field i is accessible in all classes in other packages
  - b. **Field j is accessible in all classes in other packages**
  - c. Field k is accessible in all classes in other packages
  - d. Field l is accessible in all classes in other packages
5. Identify how restrictive is the default accessibility compared to public, protected, and private accessibility? CO-1
- a. Less restrictive than public
  - b. More restrictive than public, but less restrictive than protected
  - c. **More restrictive than protected, but less restrictive than private**
  - d. More restrictive than private

**6. The wrapping up of data and functions into a single unit is called. CO-1**

- a. **Encapsulation**
- b. Abstraction
- c. Inheritance
- d. Polymorphism

**7. Identify which is a disadvantage of an java array. CO-1**

- a. An array can hold primitive types data
- b. An array has its size that is known as array length
- c. An array knows only its type that it contains. Array type is checked at the compile-time

**d. An array holds only one type of data**

**8.. The following Syntax is used for. CO-1**

```
class Subclass-name extends Superclass-name
{
//methods and fields
}
```

- a. Polymorphism
- b. Encapsulation
- c. Inheritance**
- d. None of the above

**9. \_\_\_\_\_ constructor creates an empty string buffer with the specified capacity as length. CO-1**

- a. StringBuffer()
- b. StringBuffer(String str)
- c. StringBuffer(int capacity)**
- d. None of the above

**10. \_\_\_\_\_ option is false about the final keyword. CO1**

- a. A final method cannot be overridden in its subclasses.
- b. A final class cannot be extended.
- c. A final class cannot extend other classes.**
- d. A final method can be inherited.

11. \_\_\_\_\_ are the direct subclasses of the Throwable class. CO-2

- a. RuntimeException and Error class
- b. Exception and VirtualMachineError class
- c. Error and Exception class**
- d. IOException and VirtualMachineError class

12. Chained exceptions in Java is? CO-2

- a. Exceptions occurred by the VirtualMachineError
- b. An exception caused by other exceptions**
- c. Exceptions occur in chains with discarding the debugging information
- d. None of the above

13. \_\_\_\_\_ exception is thrown when divide by zero statement executes. CO-2

- a. NumberFormatException
- b. ArithmeticException**
- c. NullPointerException
- d. None of these

14. Unchecked exceptions are checked at compile-time rather they are checked at runtime. CO-2

- a. True
- b. False**

15. \_\_\_\_\_ method returns the interrupted flag after that it sets the flag to false if it is true. CO-2

- a. isInterrupted()**
- b. static interrupted()
- c. non static interrupted()
- d. Both A & C

16. Multithreading programming is? CO-2

- 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

17. Thread priority in Java is? CO-2

- a. Integer
- b. Float
- c. Double
- d. Long

18. \_\_\_\_\_ is true about threads. CO-2

- a. Threads consumes CPU in best possible manner
- b. Threads enables multi processing.
- c. Multi threading reduces idle time of CPU
- d. All

19. \_\_\_\_\_ are valid points about thread. CO-2

- a. Thread is subdivision of Process.
- b. One or more Threads run in the context of process.
- c. Threads can execute any part of process. And same part of process can be executed by multiple Threads
- d. All

20. A Daemon thread is a \_\_\_\_\_. CO-2

- a. Low priority thread
- b. Assistant thread
- c. Controller thread
- d. Dangerous thread

21. \_\_\_\_\_ Event is generated when a button is pressed. CO3

- a. WindowEvent
- b. ActionEvent
- c. KeyEvent
- d. None of these

22. Where are the following four methods commonly used? CO3

- 1) public void add(Component c)
- 2) public void setSize(int width,int height)
- 3) public void setLayout(LayoutManager m)
- 4) public void setVisible(boolean)

- a. Graphics class
- b. Component class

- c. Both A & B
- d. None of the above

**23. Implement the Listener interface and overrides its methods is required to perform in event handling. CO3**

- a. True**
- b. False

**24. Which is the container that doesn't contain title bar and MenuBars but it can have other components like button, textfield etc? CO3**

- a. Window
- b. Frame
- c. Panel**
- d. Container

**25. These two ways are used to create a Frame CO3**

By creating the object of Frame class (association)  
By extending Frame class (inheritance)

- a. True**
- b. False

**26. Which method is used to set the graphics current color to the specified color in the graphics class? CO3**

- a. public abstract void setFont(Font font)
- b. public abstract void setColor(Color c)**
- c. public abstract void drawString(String str, int x, int y)
- d. None of the above

**27. The Java Foundation Classes (JFC) is a set of GUI components which simplify the development of desktop applications. CO3**

- a. True**
- b. False

**28. Which object can be constructed to show any number of choices in the visible window? CO3**

- a. Labels
- b. Choice
- c. List**
- d. Checkbox

**29. Which is used to store data and partial results, as well as to perform dynamic linking, return values for methods, and dispatch exceptions? CO3**

- a. Window
- b. Panel
- c. Frame**
- d. Container

**30. Which method can set or change the text in a Label? CO3**

- a. setText()
- b. getText()
- c. All the above
- d. None of the above**

**31. Which of the following is advantage of using PreparedStatement in Java? CO4**

- a) Slow performance
- b) Encourages SQL injection
- c) Prevents SQL injection**
- d) More memory usage

**32. Which of the following is used to call stored procedure? CO4**

- a) Statement
- b) PreparedStatement
- c) CallableStatement**
- d) CalledStatement

**33. Which of the following is used to limit the number of rows returned? CO4**

- a) setMaxRows(int i)**

- b) setMinRows(int i)
- c) getMaxrows(int i)
- d) getMinRows(int i)

**34. Which type of Statement can execute parameterized queries? CO4**

**A. PreparedStatement**

B. ParameterizedStatement

C. ParameterizedStatement and CallableStatement

D. All kinds of Statements (i.e. which implement a sub interface of Statement)

**35. Which of the following encapsulates an SQL statement which is passed to the database to be parsed, compiled, planned and executed? CO4**

A. DriverManager

B. JDBC driver

C. Connection

**D. Statement**

**36. ResultSetMetaData interface is useful because it provides methods to get metadata from the ResultSet object. CO4**

**a. True**

b. False

**37. \_\_\_\_\_ method of FileReader class is used to read characters from a file. CO4**

a. scanf()

**b. read()**

c. get()

d. getInteger()

**38. The PipedInputStream and PipedOutputStream classes can be used to read and write data simultaneously. CO4**

**a. True**

b. False

**39. Which of the following type of JDBC driver, is also called Type 2 JDBC driver? CO4**

a. JDBC-ODBC Bridge plus ODBC driver

**b. Native-API, partly Java driver**

c. JDBC-Net, pure Java driver

d. Native-protocol, pure Java driver

**40. Which of the following holds data retrieved from a database after you execute an SQLquery using Statement objects? CO4**

**a. ResultSet**

b. JDBC driver

c. Connection

d. Statement

**41. Which of these package contains classes and interfaces for networking? CO5**

a) java.io

b) java.util

**c) java.net**

d) java.network

**42. Which of these is a protocol for breaking and sending packets to an address across a network? CO5**

**a) TCP/IP**

b) DNS

c) Socket

d) Proxy Server

**43. Which of these class is used to encapsulate IP address and DNS? CO5**

a) DatagramPacket

b) URL

**c) InetAddress**

d) ContentHandler

**44. Which class is used to create servers that listen for either local client or remote client programs? CO5**

**a. ServerSockets**

b. httpServer

- c. httpResponse
- d. None of the above

**45. The client in socket programming must know which informations? CO5**

- a. IPaddress of Server
- b. Port number
- c. **Both A & B**
- d. None of the above

**46. What does the java.net.InetAddress class represent? CO5**

- a. Socket
- b. **IP Address**
- c. Protocol
- d. MAC Address

**47. Which of the following protocol follows connection less service? CO5**

- a. TCP
- b. TCP/IP
- c. **UDP**
- d. HTTP

**48. Which of the following statement is NOT true? CO5**

- a. TCP is a reliable but slow.
- b. UDP is not reliable but fast.
- c. File Transfer Protocol (FTP) is a standard Internet protocol for transmitting files between computers on the Internet over TCP/IP connections.
- d. In HTTP, all communication between two computers are encrypted

**49. The server listens for a connection request from a client using which of the following statement? CO5**

- a. Socket s = new Socket(ServerName, port);
- b. **Socket s = serverSocket.accept()**
- c. Socket s = serverSocket.getSocket()
- d. Socket s = new Socket(ServerName);

**50. In the socket programming, for an IP address, which can be used to find the host name and IP address of a client/ server? CO5**

- a. The ServerSocket class
- b. The Socket class
- c. The InetAddress class**
- d. The Connection interface