

Basics of Java Technology

(Middleware training)

Max Marks: 30

1 Which of the following is responsible for making java platform independent.

- A JRE
- B JVM
- C Standard libraries
- D All the above

Ans: B

2 Which of these is required to run a java application in the client.

- A JDK
- B JRE
- C OS

Ans: B

3

Which of these features help in making a java application extensible.

- A Inheritance
- B polymorphism
- C Encapsulation
- D abstraction

Ans: A B

4

Which of these components creates a behavior and makes the application not tightened to a specific implementation

- A package
- B interface
- C class
- D object

Ans: B

5

Which of these are false regarding collections.

- A Helps in storing objects.
- B API to perform basic operations like easy retrieval ,removal, addition etc.
- C Has set of interfaces, implementations and algorithms.
- D Primitive values can be stored in collections.

Ans: D

6

Data is persisted using which of the following ways.

- A files
- B database
- C both
- D none

Ans: C

7

_____ of an object represents the value that is stored in an object at a given point of time.

Ans: State

8

Java Web applications is based on multithreaded model.

- A true
- B false

Ans: true

9

Which protocol is used in web applications.

- A TCP/IP
- B RMI
- C HTTP

2

D SOAP

Ans: C HTTP

10

A Web application with database interaction is an example for which of the following layered architecture.

A Two Tiered.

B Three tiered

C N-Tier

D None

Ans: B

11

Which of the following are true regarding jdbc.

A It is an API

B It is a protocol to connect to database

C There are 4 types of jdbc drivers.

D JDBC API has to be loaded inside JDK to add capabilities.

Ans : A C

12

Which of these technologies are used to create clientside programs in a web application.

A applets

B html

C javascript

D All the above

Ans: D

13

The Security mechanism in java is called _____

Ans: sandbox

14

GarbageCollector in java is a thread.

A true

B false

Ans : A true

15

Which of these are false regarding an EJB container or an application server

A It is used to deploy the business components.

B application server is a superset of webserver.

C WebSphere,Weblogic are examples for application servers.

D Provides security, concurrency , Remote Access , Resource and life cycle management.

E Cannot be used to run servlets.

Ans : E

16

_____ is the ability of a system, network, or process, to handle a growing amount of work in a capable manner or its ability to be enlarged to accommodate that growth

A Clustering

B Collision

C Scalability

D Robustness

Ans: C

17

“Is a “ relation is used in case of _____ concept.

A encapsulation

B abstraction

C inheritance

D polymorphism

Ans: C

18

_____ API is used to register the components in the middleware which can be looked up by the programs.

Ans: JNDI

19

_____ API is used to Send and Receive messages between applications.

Ans : JMS

20

Java application can be reused as a _____ file

- A jar
- B war
- C ejb-jar
- D web-rar

Ans: A

21

Outdated computer systems, programming languages or application software that are used instead of available upgraded versions are called _____ Systems.

Ans: Legacy

22

Which of the following JDBC drivers are pure java drivers.

- A Jdbc-ODBC driver
- B Native Driver (type2)
- C Network-protocol driver (Type 3)
- D Type 4 or thin driver

Ans : C and D

23

_____ is a development tool for creating documentation in java.

- A javap
- B javadoc
- C jar
- D javaw

Ans: B

24

Two models of JMS are _____ and _____

Ans : PointToPoint (Queue) and Topic (Subscriber and Publisher model)

25

Which of the following are true regarding threads in java.

- A Threads are light weighted.
- B Threads are scheduled by the OperatingSystem.
- C main method is also a thread.
- D The execution order of the threads can be determined.

Ans: A C

26

_____ is the process of combining the multiple peripherals, computers and other resources into a single unit.

- A collision
- B clustering
- C load-balancing
- D Resource management

Ans: B

27

Which of the following are false regarding jvm.

- A It is a software program
- B Proxy OS
- C part of JRE

- D Interprets bytecode
- E creates exe file in runtime

Ans: E

28

Which of the statements are true regarding an interface.

- A Interfaces can be instantiated.
- B Interfaces are implemented by the classes.
- C interfaces can contain concrete methods.
- D all the above

Ans: B

29

Who maintains the lifecycle of a Servlet.

- A JVM
- B WebContainer
- C HTTP protocol

Ans: B

30

Which exceptions have to be handled by the programmer without which the program fails to compile.

- A Checked
- B Unchecked

Ans : A