**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

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