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

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

A   JDK

B   JRE

C   OS

3

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

A   Inheritance

B   polymorphism

C   Encapsulation

D   abstraction

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

5

Which of these are false regarding collections.

A   Helps in storing objects.

1

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.

6

Data is persisted using which of the following ways.

A   files

B   database

C   both

D   none

7

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

8

Java Web applications is based on multithreaded model.

A   true

B   false

9

Which protocol is used in web applications.

A   TCP/IP

B   RMI

C   HTTP

D   SOAP

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

2

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.

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

13

The Security mechanism in java is called _____

14

GarbageCollector in java is a thread.

A   true

B   false

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.

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

3

A   Clustering

B   Collision

C   Scalability

D   Robustness

17

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

A   encapsulation

B   abstraction

C   inheritance

D   polymorphism

18

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

19

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

20

Java application can be reused as a _____ file

A   jar

B   war

C   ejb-jar

D   web-rar

21

 Outdated computer systems, programming languages or application software that are used instead of available upgraded versions are called_____ Systems.

22

Which of the following JDBC drivers are pure java drivers.

A   Jdbc-ODBC driver

B   Native Driver (type2)

4

C   Network-protocol driver (Type 3)

D   Type 4 or thin driver

23

_____ is a development tool for creating documentation in java.

A   javap

B   javadoc

C   jar

D   javaw

24

Two models of JMS are _____ and _____

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.

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

27

Which of the following are false regarding jvm.

5

A   It is a software program

B   Proxy OS

C   part of JRE

D   Interprets bytecode

E   creates exe file in runtime

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

29

Who maintains the lifecycle of a Servlet.

A JVM

B WebContainer

C HTTP protocol

30

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

A Checked

B Unchecked