

You can -----to a network using sockets.

Read

Write

Read/Write

None of these

Page # 207 – My Ok

A class that is defined in another class is called _____.

Private class

Public class

Inner class

Derived class

Page # 129 – My Ok

Which block always execute whether exception occurs or not.

Try Block

Finally block

Catch Block

All of these

Page # 72 – My Ok

2nd phase of java programming

Edit

Load

Compile

Verify

Page # 30 – My Ok

1st phase of java programming

Edit

Load

Compile

Verify

Page # 30 – My Ok

3rd phase of java programming

Edit

Load

Compile

Verify

Page # 30 – My Ok

4th phase of java programming

Edit

Load

Compile

Verify

Page # 30 – My Ok

5th phase of java programming

Edit

Load

Execute

Verify

Page # 30 – My Ok

Which database allows us to work having closed connection?

Mysql

PostgreSQL

SQL

SQLite

Page # 141 – My Ok

Window Adaptor class implements WindowListener interface and provide the definition of all method inside

WindowListener interface

Inner Class

Outer class
Window adaptor class
Page # 136 – My Ok

Event handling is _____ step process

- 1
- 2
- 3**
- 4

Page # 120 – My Ok

Even handling is _____ step process

- 1
- 2
- 3**
- 4

Page # 120 – My Ok

Event handling is _____ step process

- One
- Two
- Three**
- Four

Page # 120 – My Ok

Event handlings steps

Step 1: Create components which can generate events (Event Generators)

Step 2: Build component (objects) that can handle events (Event Handlers)

Step 3: Register handlers with generators

Which of the following is not the method of ResultSetMetaData class

Previous()

isReadOnly()

getColumnDisplay size()

getColumnCount()

Page # 163 & 166 – My Ok

Java developed in _____

- 1990
- 1995**
- 1997
- 2000

Page # 22 – My Ok

Which of the following methods are invoked by the AWT to support paint and repaint operations?

paint()

repaint()

draw()

redraw()

Page # 191 – My Ok

When defining a method you must include a _____ to declare any exception that might be thrown but is not caught in the method

Try Block

Finally Block

Catch Block

Throws Block

Page # 82 or [Click here for Detail](#) – My Ok

You must include a _____ to declare an exception that might be thrown to another method.

try block

finally block

catch block

throws-clause

Aside from the Scanner class, which of the following classes can be used for text-file file input?

ObjectInputStream

BufferedReader

StringTokenizer
None of these
Page # 85 – My Ok

Aside from the Scanner class, which of the following class/es can be used for text file input
ObjectInputStream

BufferedReader

StringTokenizer
None of these
Page # 85 – My Ok

Which of the following statements is true regarding Vectors with no specified base type?

A base type is needed, because Java needs to know how to allocate memory.

No base type is needed, because Java will use the Object class as a base type

If a base type is not specified the code will not compile.

No base type is needed because Vectors default to storing String objects.

[Click here for details](#)

Which method(s) must a serializable class, implement?

It must always implement both readObject and writeObject

It must implement either readObject or writeObject, or both, depending upon the desired behavior

No Need to implement any methods

None of the given

Page # 204 – My Ok

A serializable class must implement the method(s)

readObject and writeObject

Either readObject or writeObject, or both, depending upon the desired behavior

No need to implement any method

None of the given option

Page # 204 – My Ok

Socket is a -----communication channel between hosts.

Uni-directional

Bi-directional

Multi-directional

None of these

Page # 194 – My Ok

Which of the following are passed as an argument to the paint () method?

A Canvas object

A Graphics object

An Image object

A paint object

Click Here – My Ok

The code below draws a line. What color is the line?

```
g.setColor(Color.red.green.yellow.red);
```

```
g.drawLine(0, 0, 100,100);
```

Red

Green

Yellow

Black

Click Here – My Ok

setColor() is a method of _____ object.

JPanel

JFrame

Graphics

Image

Click Here – My Ok

previous() is a method of _____ object.

Statement

ResultSet

ResultSetMetaData

Connection

Page # 151 – My Ok

getColumnCount() is a method of _____ object

Statement

ResultSet

ResultSetMetaData

DataBaseMetaData

Page # 163 – My Ok

isReadOnly() is a method of _____ object.

ResultSet

ResultSetMetaData

DataBaseMetaData

Connection

Page # 10

To create DataBaseMetaData object we write following line of code:

DataBaseMetaData db = con.getMeataData();

ResultSetMetaData rsmd = rs.getMetaData();

ResultSetMetaData rsmd = rs.setMetaData();

DataBaseMetaData db = con.setMeataData();

Page#177 – My Ok

Event source can have ----- listeners registered on it.

Single

Double

Triple

Multiple

Page # 118 – My Ok

Each Event source can have ----- listeners registered on it.

Single

Double

Triple

Multiple

Page # 118 – My Ok

An abstract class ----- instantiated

Can't be

Can be

Must

None of these

Page # 93 – My Ok

An instance of abstract class cannot be created

TRUE

FALSE

Page # 93 – My Ok

From following classes; which one can't be instantiated?

Super class

Abstract Class

Anonymous Class

Concrete Class

Page # 93 – My Ok

Which of the following is true about abstract class?

An abstract class must have all methods declared as abstract methods.

A class must have at least one abstract method to be an abstract class.

A class without any abstract method can be declared as abstract class

An instance of abstract class can be created.

Click here for detail or page # 96

Which of the following is true regarding an abstract class?

An abstract class must have all methods declared as abstract methods.

A class must have at least one abstract method to be an abstract class.

A class without any abstract method can be declared as abstract class

An instance of abstract class can be created.

[Click here for detail](#) or page # 96

In Java an abstract class cannot be sub-classed

True

False

[Click here For Detail](#)

A _____ defines the way and method of communication between two parties

Compiler

Protocol

Tool

Technique

Page # 229 – My Ok

What if the static modifier is removed from the signature of the main method?

The program does not compile

The program compiles but does not run

The program compiles and runs properly

The program throws an exception on compile time

[Click here for Detail](#)

What if the main method is declared as private?

The program does not compile

The program compiles but does not run

The program compiles and runs properly

The program throws an exception on compile time

[Click Here](#) – My Ok

In Java a final class must be sub-classed before it.

True

False

[Click here for Detail](#)

A top level class without any modifier is accessible to

Any class

Any class within the same package

Any class within the same file

Any subclass of this class

[Click here for Detail](#)

Given a one dimensional array arr, what is the correct way of getting the number of elements in arr

arr.length

arr.length – 1

arr.size – 1

arr.length()

Click here for Detail – My Ok

When recursive method is called to solve a problem, the method actually is capable of solving only the simpler case(s), or base case(s)

True

False

[Click here For Detail](#)

Which of these are valid declarations for the main method?

public void main();

public static void main(String args[]);

static public void main(String);

public static int main(String args[]);

Page # 26 – My Ok

Map interface is derived from the Collection interface.

True

False

[Click here For Detail](#)

In Java, which of these classes implement the LayoutManager interface?

RowLayout
ColumnLayout
GridBagLayout
FlowLayoutManager
Page # 104 – My Ok

BorderLayout is the default layout manager for a JFrame's content pane

True

False

[Click here For Detail](#)

In Java garbage collection is done by _____

JVM (Java Virtual Machine)

Programmer

Both JVM (Java Virtual Machine) and programmer

OS (Operating System)

None of given

Page # 47 – My Ok

Which of following can be thrown using the throw statement?

Error

Throwable

Exception

RuntimeException

All of Given

Page #73 – My Ok

Overloading is _____ whereas overriding is _____

Run time binding, compile time binding

Late binding, compile time binding

Compile time binding, run time binding

Run time binding, late time binding

Static methods only access ____

Instance variable

Instance method

Static variables and methods

Both static and instance members

[Click Here](#) – My Ok

Which of the following is modifier is provided by default if no access is written explicitly?

Public

Private

Protected

Default

Page # 41 – My Ok

You want a class to have access to members of another class in the same package. Which is the most restrictive access that accomplishes this objective?

Public

Private

Protected

Transient

Page # 41 – My Ok

A member variable or method prefixed by the protected access modifier can be accessed _____

Within the same class

Within the sub-class

Within the same package

All of the above

Page # 41 – My Ok

A top level class may have only the following access modifier.

Package

Private

Protected

Public

Page # 46 – My Ok

Which of the following is used for inheritance in java?

Implements

Extends

:(colon)

Inherit

Page # 52

A collection can store

Homogenous objects

Heterogeneous objects

Objects as well as primitive values

At most 100 objects

Page # 60 My Ok

Window frame and dialog use _____ as their default layout

Border layout

Flow layout

GridBag layout

Grid layout

Click here For Detail

Window, frame and dialog use _____ as their default layout

Border layout

Flow layout

GridBag layout

Grid layout

Click here For Detail

There are _____ types of exceptions in Java

2

3

4

5

Page # 72 – My Ok

Types of exceptions

Unchecked & Checked Exceptions

Which of the following belongs to a category of checked exception?

Null Pointer exception

IOException

Array index out of bounds

NumberFormatException

Page # 75 - My Ok

Which of the following exception belongs to a category of un-checked exception?

IOException

Null Pointer exception

AWTException

ClassNotFoundException

Ref:- Un-checked exception examples:- Null pointer, index out of bounds, division by zero etc.

Page # 71 – My Ok

All the exceptions and errors in java are inherited from _____ class.

Exception

Error

Throwable

IOException

Page # 71 – My Ok

All exceptions in java are inherited from a class know as _____.

Abstract

Concrete

Throwable

None of the given

Page # 71 – My Ok

Exceptions must be handled while handling files otherwise it may lead to _____

Logical error

Syntax error

Run-time error

No error

Page # 70 – My Ok

Which of the following package needs to be import while handling files?

java.util

java.io

java.awt

javax.swing

[Click here For Detail](#)

Page # 195 – My Ok

Which of the following package needs to import while interacting with relational database?

java.io

java.sql

javax.swing

java.awt

Page # 137,140,149 – My Ok

The classes which contain the word _____ are byte oriented streams

Reader

Writer

Stream

Byte

Page # 87 – My Ok

The classes which contain the word _____ in their name are byte oriented streams.

Reader

Writer

Stream

Byte

Page # 87 – My Ok

Which of the following stream read/write data in the form of bytes?

FileReader

FileWriter

PrintWriter

FileInputStream

Page#84 – My Ok

Which of the following stream read/write data in the form of bytes?

Java.io

Java.util

Java.awt

Java.sql

The relationship between class and interface is called _____

' Is a ' relationship

' Has a ' relationship

'Responds to' relationship

None of the given options

Page # 96 – My Ok

Which of the following is called ' pure abstract class ' ?

Concrete class

Wrapper class

Interface

Abstract class with no abstract method

Page # 95 – My Ok

JPanel and Applet use _____ as their default layout.

Flow layout

Border layout

Grid layout

GridBag layout

[Click here for detail](#)

Which of the following is true about AWT and SWING components?

AWT components create a process whereas SWING component creates a thread.

AWT components create a thread whereas SWING component creates a process.

Both AWT and SWING component creates a process.

Both AWT and SWING component creates a thread.

Page # 99 – My Ok

Border layout divides the area into _____ regions

3

4

5

6

Page # 108 – My Ok

Which of the following function is declared in MouseMotionListener interface?

public void mousePressed (MouseEvent me);

public void mouseDragged (MouseEvent me);

public void mouseClicked (MouseEvent me);

public void mouseEntered (MouseEvent me);

Page # 122 – My Ok

Window Listener interface contains _____ methods.

Four

Six

Seven

Eight

Page # 133 – My Ok

WindowListener interface contains _____ methods.

Four

Six

Seven

Eight

Page # 133 – My Ok

WindowsListener interface contains _____ methods.

Four

Six

Seven

Eight

Page # 133 – My Ok

Mouse events can be trapped for _____ GUI component.

JPanel

JFrame

JButton

All of given

Page # 130

DSN stands for _____

Data System Name

Domain system Name

Data Source Name

Database System Name

Page # 138 – My Ok

Which of the following method is used to execute SELECT SQL statements?

executeUpdate(sql);

ExecuteUpdate(sql);

executeQuery(sql);

ExecuteQuery(sql);

Page # 154

CREATE, ALTER, DROP are _____ SQL statements.

DML

DDL

DCL

None of given

Page 156

Which of the following method is used to execute INSERT, UPDATE and Delete SQL statements?

executeQuery(sql);

ExecuteQuery(sql);

executeUpdate(sql);

ExecuteUpdate(sql);

Page # 153

Which of the given statement objects are used to execute using same query multiple times by only changing parameters?

Prepared Statement

PreparedStatement

CallableStatement

Both PreparedStatement and CallableStatement

Page # 147 – My Ok

The _____ are used for executing precompiled SQL statements and passing in different parameters to it.

Statement

PreparedStatement

CallableStatement

None of the given options

Page#147 – My Ok

Which of the following statement object is used to execute precompiled SQL statements?

Statement

PreparedStatement

CallableStatement

None of the given options

Page # 147

Which of the following 'statement' object is used for executing precompiled SQL statements?

Statement

PreparedStatement

CallableStatement

None of the given options

Page # 147

Which of the following statement is used for executing stored procedures?

Statement

PreparedStatement

CallableStatement

None of the given options

Page # 147

Which of the following statement object is used to execute stored procedures?

PreparedStatement

Statement

CallableStatement

None of given options

Page # 159 – My Ok

Which of the following statement object is used to execute simple SQL statement?

Statement

PreparedStatement

CallableStatement

None of the given

Page # 146 – My Ok

HashMap takes key as a/an _____

Object

Array
Primitive value
Function
Page # 62

HashMap takes key as a/an _____

Object

Array
Primitive value
Function

If a super class method is protected then overriding method _____

Must be protected
Must be public
Must be private

May be either protected or public

Click Here – My Ok

Which of the following feature provide facility for multiple inheritances:

Adapter Classes
Wrapper Classes

Interface

Collection

Click here For Detail

The collections API are defined in _____ package?

Java.io

Java.util

Java.sql

Java.awt

My Ok

Based on functionality, the streams can be categorized as_____.

Byte oriented streams and Node Streams
Filter stream and Character oriented stream

Node stream and Filter stream

Byte oriented stream and Character oriented stream

Page#86 – My Ok

ResultSetMetaData object can be derived from _____ object.

Connection

Statement

ResultSet

PreparedStatement

Page # 162

Which one of the following is NOT correct declaration?

String args[]

String[]arguments

String arguments[]

String[] args[]

Which one of the following is not a method of MouseListener interface?

Pressed

Clicked

Moved

Released

Page # 130 – My Ok

Which is the main class in JAVA from which errors derive?

Exception

IOException

Throwable

Runtime Exception

Identify those classes that are not GUI based.

Button classes

Frame classes

[Vector classes](#)

RadioButton classes

Page # 102

If we want to handle mouse Movement or mouse drag. Which of the following interface do we need to implement?

[MouseMotionListener](#)

MouseListener

MouseDragged

MouseMoved

Page # 130

If a mouse clicks on "x" portion on the top of the window. Which Action event is it showing?

Mouse Pressed

Mouse Released

[Mouse Clicked](#)

Mouse Enter

Page # 119

Result set index starts from :

0

Any number

-1

[1](#)

[Click Here](#) –My Ok

Which of the following method is called only once in Applets?

start()

[init\(\)](#)

stop()

paint()

Page # 185

What is not true about communication socket:

[It listens client's data requests](#)

It communicates with client

It is ordinary socket

It runs on client machine

Page # 195

Java defines _____ for the listener interfaces having more than one event handling methods.

Wrapper classes

[Adapter classes](#)

Abstract classes

Concrete classes

Page # 127 – My Ok

Which of the following method is used to determine whether a database is read only or not?

[isReadOnly\(\)](#)

isreadonly()

isreadOnly()

isReadonly()

Page # 166 – My Ok

ServerSocket's accept() method waits for incoming connection request and when request is received, it returns a _____

Server socket

[Communication socket](#)

Message associated with the request

Both Server socket and Message associated with the request

Page # 197

How many objects are created in the following piece of code?

Student s1, s2, s3, s4;

s1 = new Student ();

s3 = new Student ();

1
2
3
4

Consider the following code segment

```
class CommonErrors {  
public static void main(String[] args){  
int num = 10 ;  
System.out.println(number);  
}  
}
```

What type of error can occur in the above code segment?

Local variable not initialized

Cannot find symbol
Null Pointer exception
No Such Method error

Consider the following code segment.

```
ArrayList al = new ArrayList();  
Person p = new Person() ;  
al.add(p);
```

What will be the syntax to get an object from the first index of ArrayList?

Person p = al.get(0) ;

Person p = al.get(1) ;

Person p = (Person)al.get(0) ;

Person p = (Person)al.get(1) ;

Page # 63

Consider the following code:

```
public class abc extends JFrame implements ActionListener {  
Container contentPane = getContentPane();  
JButton button = new JButton("button");  
}
```

Which of the following correctly adds the button to the frame?

add(button, BorderLayout.NORTH);

abc.add(button);

add(button);

contentPane.add(button);

Page # 106

What will be the output from the following code?

```
System.out.print("Virtual University.");
```

```
System.out.println("Islamabad.");
```

```
System.out.println("Campus.");
```

Virtual University. Islamabad. Campus.

Virtual University. Islamabad. Campus.

Virtual University. Islamabad. Campus.

Virtual University. Islamabad. Campus.

Which one of the following is pure java component?

Swing Components

AWT Components

GUI Components

Heavy weight components

Page # 100

In a Java GUI, the purpose of classes which implement the ActionListener interface is to:

Describe the graphical display of GUI items

Control the organization of items displayed in the GUI

Respond to the events caused by GUI items

Control GUI items

The following code is an example of_____.

```
double a=123.45;
```

```
int b= (int) a;
```

Up-casting

Down-casting

Normal-casting

High-casting

Page # 59

Converting a bigger data type into smaller data type is called_____.

Up-casting

Down-casting

Normal-casting

High-casting

Page # 60 – My Ok

Converting smaller data types into bigger one is called -----

Down casting

Up casting

In casting

Out casting

Page # 60 – My Ok

_____ is required in order to get an object from collection.

Up-casting

Down-casting

Implicit casting

None of the given options

Page # 61

= Operator will use_____to compare strings.

Shallow Comparison

Deep comparison

Both shallow and deep comparison

[None of the given options](#)

Page # 30 – My Ok

== Operator will use_____to compare strings.

Shallow Comparison

Deep comparison

Both shallow and deep comparison

[None of the given options](#)

Page # 30 – My Ok

If a sub class overrides all abstract methods of super class then it becomes _____

Abstract class

Concrete class

Wrapper class

Adapter class

Page # 93

If the implementation of event generator{} class and event handler{} class is done in the same class which keyword is passed in this statement for registering event with generator instead of x:

Display.addWindowListener(x);

New

This

Super

sub

When you maximizes the applet which was minimized a few time before which of the following method will be called?

start()

stop()

init()

destroy()

Page # 185

Stream is an abstraction of hard drive same as socket is an abstraction of _____

Network

File

Data

Memory
Page # 194

Which of the following GUI components can be created?

Mouse

Keys

Buttons

Both Mouse and Keys

Page # 120

Static methods can only access _____

Instance variables

Instance methods

Static variables and methods

Both static and instance members

Page # 50 – My Ok

A _____ in HashMap is associated with each object that is stored.

Key

Value

Data member

Attribute

Page # 63 – My Ok

An exception in java is represented as a/an _____.

Operator

Object

Function

Primitive data type

Page # 70 – My Ok

An exception in java is represented as an object that's created when a/an _____ situation arises in the program.

Normal

Uncertain

Abnormal

All of these

Page # 71 – My Ok

Which of the following is a general purpose container?

JFrame

Dialog

JPanel

JApplet

Page # 101 – My Ok

Which of the following is not the general purpose container?

JFrame

Dialog

Jpanel

Applet

Page # 104

Which of the following is a top level container?

Dialog

JPanel

ScrollPane

ToolBar

Page # 101

Which one of the following is not supported by Java?

Single inheritance

Multiple inheritance

Data hiding

Data encapsulation

Page # 55 – My Ok

Java program code is compiled into form called
Machine code
Native Code
Byte Code
Source Code
Page # 16

Which of the following statement regarding Java is false?
Java is a programming language
Java is case sensitive
Java uses an interpreter
A Java program compiles into machine language
Page # 26

Which of the following statement regarding Java is false?
The Java program can run on any CPU or operating system.
Its object-oriented model enables programmers to benefit from its large set of existing classes.
Java needs to be compiled only once.
Java can run only on a Windows operating system

_____ translates all JDBC calls into ODBC calls and send them to the ODBC Driver.
Type-1
Type-2
Type-3
Type-4
Page # 168

Which driver is the network type driver from the following?
Type 1
Type 2
Type 3
Type 4
Page # 168 – My Ok

Which of the following driver type(s) has better performance than other?
Type 1
Type2
Type 4
Both Type 1 and type2
Page # 169 – My Ok

Which is the fastest driver from the followings?
Type 1
Type 2
Type 3
Type 4
Page#179

Which of the following method we should override while painting?
paintBorder()
paint()
paintChildren ()
paintComponent()
Page # 173

There are _____ steps in order to communicate successfully with database.
Six
Seven
Eight
Nine
Page # 144

A database that is created in MS Access 2003 will be saved with _____ extension.
.java
.class
.doc

[.mdb](#)

Page # 138

JDBC-ODBC stands for _____.

Java DataBase Connectivity- Oracle DataBase Connectivity

Java DataBase Corporation- Open DataBase Corporation

Java DataBase Corporation- Oracle DataBase Corporation

[Java DataBase Connectivity- Open DataBase Connectivity](#)

Page # 137 and 168 – My Ok

AWT is also called _____

[Heavy weight components](#)

Light weight components

Both Light weight and heavy weight components

Neither Light weight nor heavy weight

Page # 99 – My Ok

SWING is also called _____

[Heavy weight components](#)

[Light weight components](#)

Both Light weight and heavy weight components

Neither Light weight nor heavy weight

Page # 99 – My Ok

Which of the following is a DDL statement?

Select

Delete

[Create](#)

Update

Page # 144

_____components generate events.

Only AWT

Only Swing

[All AWT and Swing](#)

[Not all AWT and Swing](#)

Page # 113 – My Ok

An event in java is represented as _____

Operator

Function

[Object](#)

Primitive data type

Page # 113 – My Ok

AWT is a GUI package used in java, AWT stands for_____.

Apache Windows Toolkit

Application Windowing Tools

Application Windows Template

[Abstract Windowing Toolkit](#)

Page # 99 – My Ok

Which of the following feature does Java provide?

Operator Overloading

Pointers

[Overriding](#)

Multiple Inheritance

Page # 48

Which of the following command is used to [compile](#) Java code?

java filename

[javac filename.java](#)

javac filename

java filename.java

Page # 24 – My Ok

Which of the following command is used to run java program?

java filename.java
java filename
javac filename.java
javac filename
Page # 24 – My Ok

Which of the following command is used to invoke an Applet from command line interpreter?

applet htmlfile
appletviewer htmlfile
appletviewer javafile
viewer htmlfile
Page # 184

ArrayList is an example of _____ collection type.

Sequence based
Set based
Hashmap based
None of the given

Which of the following feature provides the facility for multiple inheritance?

Adapter classes
Wrapper classes
Interfaces
Collections

If a class implements an interface then _____

An interface must provide implementation of all methods
a class may or may not provide implementation of all methods of interface
a class must provide implementation of all methods of interface
class will compile successfully if class do not implements methods of interface
Click Here – My Ok

Java core language is _____ than C++.

Simpler
Difficult
Complex
Less secure
Page # 23

Which of the following syntax attaches an output stream to console?

File Writer fw = new File Writer(“output.txt”);
FileWriter fw = new FileWriter(FileDescriptor.out);
FileWriter fw = new FileWriter(FileDescriptor.in);
FileWriter fw = new FileWriter(FileDescriptor);
Page # 86

Which one of the following is always executes irrespective of exception occurrence?

Try block
Catch block
Throws block
Finally block
Page # 72

Strings in java are represented as _____

Primitive data types
Reference data types
Native data types
Operators
Click Here – MyOk

What will happen if we write static public void instead of public static void?

Program does not compile
Program compiles but does not run
Program compiles and run successfully
Program throws an exception
Click here – My ok

What will happen if main method is declared as private?

The program does not compile

[The program throws an exception at run time](#)

The program compiles and runs successfully

None of given options

If we want to call toString() method of parent class in JAVA. Which of the following statement will be used?

this. toString();

new. toString();

sub. toString();

[super.toString\(\);](#)

Which of the following operator is used to concatenate strings?

+=

+-

++

[+](#)

Page # 38 – My Ok

To develop and execute a java program, it goes through _____ phases?

3

4

[5](#)

6

Page # 28

Which of the following is true about primitive data types and reference data types?

Primitive data types are created on heap whereas references are created on stack

Both primitive data types and references are created on stack

[Primitive data types are created on stack whereas references are created on heap](#)

Both primitive data types and references are created on heap

Which of the following stream is a Node stream?

PrintWriter

[File Writer](#)

BufferedReader

All of given option

Page # 83 – My Ok

Which of the following stream is a filter stream?

FileWriter

FileReader

[BufferedReader](#)

All of given options

Page # 91

The _____ is directly connected with keyboard.

File stream

Character oriented stream

[Node stream](#)

Filter stream

Page # 83

If the subclass overrides all the abstract methods of super class, then subclass is called _____

Abstract class

[Concrete class](#)

Base class

Parent class

Page # 94

How many main method(s) can be provided within a class?

[1](#)

2

3

4

Exception handling code is written in _____

Try block

[Catch block](#)

Finally block

Throws clause

Page # 72 – My Ok

A variable declared as static in a class is a/an _____

Instance variable

[Class variable](#)

Const variable

Global variable

Array List can store objects of _____?

[Same types only](#)

Different types only

Both same and different types

Can't store objects

My Ok

Which one of the following understands the byte code?

Operating system

Java compiler

[Java Virtual Machine](#)

Java Interpreter

If there is a class "Student", then the java file must be saved with _____ name.

Student_File.java

student.java

Any name

[Student.java](#)

To compare the values of two strings, _____ must be used.

=operator

==operator

[Equal\(\)method](#)

Compare()method

Page # 38 – My Ok

Which of the following is NOT a method of ResultSet object?

next()

absolute(int)

[executeQuery\(sql\)](#)

updateRow()

Page # 9

Which of the following method is used to convert a string into an int value?

intValue()

[parseInt\(\)](#)

parseInteger()

ParseInt()

Page # 42

The given line of code will result in _____ System.out.println(5+9);

59

5+9

[14](#)

Syntax error

Page # 38

What will be the output of the following statement?

System.out.println(29+5);

[34](#)

29+5

295

None of the given options

Page # 38

The keyword "this" is used to _____
invoke constructor of the another class
invoke alternate constructor of the same class
invoke constructor of super class from sub class
invoke constructor of sub class from super class

The toString() method returns a _____ representation of _____
int, string
string, int
string, object
object, string

Which of the following is a valid variable name in Java?

1xu
vu.506
NumberOfStudent
Long

Which of the following method is used to move the cursor to given row number?

absolute(int);
absolute();
moveToInsertRow(int);
insertRow();
Page # 153 – My Ok

If ResultSet is TYPE_FORWARD_ONLY then it _____ when you call to the previous () method

Moves the cursor to previous row if cursor is on valid
Row returns false if cursor is not on valid row

Throws an exception
Executes normally
Page # 152

Which one of the following is capable to instantiate?

Abstract class
Concrete class
Interface class
None of the given

Rowsets are in ----- package

java.awt
java.util
javax.swing
java.sql
Click Here – My Ok

Which one of the following feature is not available in Java?

Data hiding
Data encapsulation
Single inheritance
Multiple inheritance

Which of the following feature is not included in Java?

Inheritance
Polymorphism
Pointer manipulation
Data encapsulation
Page 40

Which of the following feature is available in java?

Pointers
Operator overloading
Global variables
Primitive data types

Which of the following feature is not available in java?

Pointers

Operator overloading
Global variable

All of the given

Which of the following statement is TRUE regarding default ResultSet?

[The default ResultSet is updatable and moves only forward.](#)

The default ResultSet is not updatable and moves only forward.

The default ResultSet is not updatable and moves forward as well as backward

The default ResultSet is updatable and moves forward as well as backward.

Page # 150 – My Ok

JVM put the events generated by event generator in a _____

Stack

[Queue](#)

List

Hash table

Page # 118

Which package contains ArrayList?

java. Awt

[java.util](#)

javax. Swing

java.lang

Page # 321 – My Ok

There is a program in which main method is calling method1() and methodNew() is calling methodOld() . If the exception occurs in this program, which of the following method will handle this exception?

```
public static void methodOld( ) throws IOException{
```

```
//any code
```

```
}
```

```
MethodOld( )
```

```
methodNew\( \)
```

```
main method( )
```

Run time system environment

Page # 71

Node stream fall into which category of streams?

[Character](#)

Byte

Integer

Double

Page # 88 – My Ok

Objects are always written /read in which of the following form

Method

Variables

Class

binary

[Click Here](#) - My Ok

Which of the given will clear all the previous painting?

[super.paint Component\(\)](#)

super.paint()

super.repath()

Both super.paint() and super.repath()

Page # 177

Which of the following statement is true regarding paintChildren() method?

It tells the component to paint its border.

It first paints the background and then performs custom painting.

It first performs custom painting and then paints the background.

It tells any components contained by this component to paint themselves

Page # 173

Which of the following statement is true regarding paintComponent() method?

It tells any components contained by this paintComponent().

It tells the component to paint its border.

[It first paints the background and then performs custom painting](#)

It first performs custom painting and then paints the background.

Page # 173 – My Ok

Which of the following method of Graphics object is used to draw rectangle?

DrawRect(10,10,20,20);

[drawRect\(10,10,20,20\);](#)

drawReactangle(10,10,20,20);

DrawReactangle(10,10,20,20);

Page # 175

Is it possible to provide more than one main method within same class?

True

[False](#)

How many parts Java has?

One

[Two](#)

Three

Four

Page # 22 – My Ok

Java has two parts

1- the core language (Variables, arrays, objects)

2- The libraries

To make a server, process can be split into _____ steps.

3

5

[7](#)

9

Page # 197 – My Ok

Java has introduced the concept of _____.

EORA

OORA

[WORA](#)

XORA

Page # 16

Write Once Run Anywhere

In java there are no global variables or functions.

[True](#)

False

Page # 35 – My Ok

In java there are no global variables or functions, everything resides inside a class.

[True](#)

False

Page # 35 – My Ok

String args[] is the way of specifying input (often called command-line arguments) at startup of application.

[True](#)

False

Page # 29

In Java, You can add multiple line comments that are ignored by the compiler.

[True](#)

False

Page # 35 – My Ok

_____method can be used to convert a String to the corresponding primitive data type.

[parseXxx](#)

marseXxx

larseXxx

None of the given

Page # 42 – My Ok

The attributes of a class are generally taken as_____.

Public

Private

Protected

public or protected

private or protected

Page # 47 – My Ok

There are_____ GUI creation steps.

3

4

5

6

Page#100 – My Ok

Generally, you can come across_____ types of errors while developing software.

Two

Three

Four

Five

Page # 70

Static methods and variables are generally accessed by class name.

True

False

Page # 50 – My Ok

An important purpose for writing getter & setters to control the values assigned to a/an_____.

Attribute

Member

Class

Function

Page # 43 – My Ok

Access modifiers are:

Public

Private

Protected

All of these

Page # 41

Java has a built-in support for _____.

Aggregation

Collections

Composition

Abstraction

Page # 60

In java, there is semicolon (;) at the end of class.

True

False

Page # 41 – My Ok

A_____ is one endpoint of a two-way communication link between two programs running generally on a network.

Client

Socket

Port

All

Page # 194 – My Ok

Inheritance saves code rewriting for a client thus promotes_____.

Reusability

Reliability

Supportability

All of the given
[Page#55 – My Ok](#)

Java bytecode executes by special software known as:

WampServer

[Virtual Machine](#)

Visual Studio

Dreamweave

Sql Server

Page # 27 – My Ok

The commonly used layout managers are:

Flow Layout

Grid Layout

Border Layout

[All of these](#)

Page # 109

Primitive data types are always passed by_____.

Reference

[Value](#)

Both of above

None of the given options

Page # 41 – My Ok

_____ is data (information) about data.

Serialization

ResultSet

[Meta Data](#)

All of these

Page # 174

_____ refers to changing an entity of one datatype into another.

Polymorphism

Inheritance

Composition

[Typecasting](#)

Page # 59

There are _____ basic steps that must be followed in order to successfully communicate with a database.

Four

Five

[Eight](#)

Ten

Page # 151

_____ is fundamentally based on the OOP notions of classes and objects.

[Java](#)

C++

Dot Net

Php

Page # 13

The println() method is used to print something on the_____.

Window

[Console](#)

Dos

All of these

Page # 27

In HashMap, keys are_____.

Different

[Unique](#)

Complex

None of these

Page # 62

_____ indicates that main () does not return anything.

Cin

Cout

void

int

Page # 29

The _____ package provides a set of collection classes that helps a programmer in number of ways.

java.io

java.net

javax.servlet

java.util

Page # 60

A/An _____ is a Panel that allows interaction with a Java program

Servlet

applet

class

event

Page # 199

Which of the following is NOT true for an Applet?

A small program written in Java and included in a HTML page

It is independent of the operating system on which it runs

They have no access to the client's file system

An applet is a Panel that allows interaction with a Java program

Page # 199

Since main method is called by the JVM that is why it is kept _____ so that it is accessible from outside.

Public

private

both

none

Page#36 – My Ok

The central part of java platform is:

java compiler

java byte codes

java source

java virtual machine

Page # 27 – My Ok

_____ represents any data source or sink as an object capable of producing or receiving pieces of data.

Even Handling

Streams

Exception

Data binding

Page#82 – My Ok

A general belief is that Java is going to stay here for the next _____ years.

5-10

10-20

20-30

40-50

Page#15 – My Ok

In java parent or base class is referred as _____ while child or derived class is known as _____.

super class, sub class

sub class, super class

adapter class, concrete class

concrete class, wrapper class

Page#52

Statics are shared by all objects of a class.

[True](#)

False

Page # 50 – My Ok

In java, every line of code must reside _____ class.

[Inside](#)

outside

both of these

none of the above

Page#27 – My Ok

_____ can access the instance variables

[Inner class](#)

Outer class

Both of these

None of the above

Page # 129 – My Ok

A _____ is commonly considered to be a sequence of characters stored in memory and accessible as a unit.

Null

[String](#)

pointer

array

Page#38 – My Ok

GUIs generate events when the user interacts with GUI and these are like:

Clicking a button

Moving the mouse

Closing Window

[All of these](#)

Page#113 – My Ok

Objects of a class are always created on heap using the “new” operator followed by_____

[Constructor](#)

Destructor

Both of above

None of the given options

Page#48 – My Ok

You must follow the _____ steps in order to perform painting.

Two

[Three](#)

Four

Five

Page # 174 – My Ok

_____ arise because the rules of the language are not followed.

[Syntax Errors](#)

Logic Errors

Runtime Errors

All of these

Page # 70 – My Ok

_____ occur as a single copy in the class regardless of the number of objects.

Void

Main

[Static](#)

Int

Page # 50 – My Ok

In java, you can also add _____ line comment:

[Single](#)

Double

[Multiple](#)

All of these
Page # 35 – My Ok

In _____ it does not require explicit handling.

[Unchecked Exception](#)

Checked Exception

Both of these

None of the given options

Page # 71 – My Ok

Primitive datatypes are located on the _____ and we can only access their value.

Heap

[Stack](#)

Both

None

Page#40 – My Ok

Primitive data types are located on the _____ and we can only access their value.

Heap

[Stack](#)

Both

None

Page#40 – My Ok

FTP (File Transmission Protocol) works on _____ port.

[21](#)

23

80

84

Page # 194 – My Ok

In java, _____ knows their size by using the length property.

String

[Array](#)

Pointer

All of these

Page#40 – My Ok

_____ is an event that usually signals an erroneous situation at run time.

Abstraction

[Exception](#)

Polymorphism

Encapsulation

Page#70 – My Ok

Which statement regarding the java is false?

Java arises a compiler

Java program compiles the code in to the machine language

[Java uses an interpreter](#)

Java is a program language.

My Ok

If we not follow the name convention in java, then program will:

Will occupy the main memory

Not run

Not to standard program

[Gives errors](#)

Which of the following is not correct declaration?

[String\[\] args\[\]](#)

String[] arguments

String argument[]

String args[]

Page#26 – My Ok

Which keyword is used to call method of paint class in child class?

[Super](#)

Virtual

This

New

Page # 190

Which method is used to insert the values in hash table h?

h.append()

h.get()

h.insert()

h.put()

Page # 63

Which class is not the GUI based?

Button classes

Frame classes

Vector classes

Radio button classes

JVM puts the event generator by event generator in a:

Start

Queue

List

Hash table

Page#120

Which function invoked first;

Paint()

Paint component

Paintborder()

Paintchildren()

Page # 173

Destructors are not required in java class because memory management is the responsibility of JVM.

True

False

Page # 42

It is necessary for garbage collector that it accepts the request and run.

True

False

Page # 51 – My Ok

Java performs garbage collection and _____ the need to free objects explicitly.

Increase

Eliminate

Skip

All of these

Page # 50 – My Ok

For comparing Strings, we can use == operator.

Yes

No

Page # 38 – My Ok

We can predict and assure when garbage collector will get back the memory of unreferenced objects.

True

False

Page # 51 – My Ok

How many features are in Address Book?

2

3

4

5

Page # 65 – My Ok

[Add – Delete – Search and Exit](#)

Which of the following syntax is used to attach an input stream to console?

FileReader fr = new FileReader(' input.txt ');

FileReader fr = new FileReader(FileDescriptor.in);

FileReader fr = new FileReader(FileDescriptor);

FileReader fr = new FileReader(console);

Page # 77

Which of the following syntax is used to get DataBaseMetaData object?

DataBaseMetaData md = rs.getMetaData(); // where rs is ResultSet object

DataBaseMetaData md = st.getMetaData(); // where st is Statement object

DataBaseMetaData md = con.getMetaData(); // where con is Connection object

DataBaseMetaData md = rsmd.getMetaData(); // where rsmd is ResultSetMetaData object

Page # 165 – My Ok

Which of the following syntax is used to get ResultSetMetaData object?

ResultSetMetaData md = con.getMetaData();// where con is Connection object

ResultSetMetaData md = rs.getMetaData();// where rs is ResultSet object

ResultSetMetaData md = st.getMetaData();// where st is Statement object

ResultSet md = rs.getMetaData();// where rs is ResultSetMetaDta object

Page#162 – My Ok

Which of the following syntax is used to create a client socket?

Socket s = new Socket("serverName");

Socket s = new Socket(serverport);

Socket s = new Socket("serverName", serverPort) ;

Socket s = new Socket(serverPort, "serverName") ;

Page # 195 – My Ok

Syntax of creating server socket?

ServerSocket ss = new ServerSocket(serverPort) ;

To access them outside of a class, a convention is followed known as getters & setters.

True

False

Page#47 – My Ok

Primitive data types are generally used for local variables, parameters and instance variables.

Yes

No

Page # 34

_____ methods will return the object stored in it, number of objects stored and whether collection contains an object or not respectively

get(),

size(),

isEmpty()

All of the given options

Page#61 – My Ok

Objects are always passed by value.

True

False

Page # 41 – My Ok

You can create an object of Wrapper class using a String or a primitive data type.

Yes

No

Page # 42 – My Ok

Static variables and methods are associated with the.....itself

Function

Class

Object

All of these

Page # 50 – My Ok

Before an object is destroyed, it is not necessary for the object to perform some action.

True

False

Page # 50 – My Ok

A program can deal with an exception in how many ways?

Two

Three

Four

Five

Page # 70 – My Ok

JVM are available for almost all:

Hardware

Software

Operating Systems

None of above

Page # 27 – My Ok

In _____ we add or remove elements into or from it, it grows or shrinks over time.

ArrayList

HashMap

Both

None of the given

Page # 61 – My Ok

There are separate header and implementation files in java.

True

False

Page # 46 – My Ok

JDBC Driver Types are divided into _____ types or levels.

Two

Three

Four

Five

Page # 167 – My Ok

Everything in Java is a/an _____.

Function

Object

Template

Class

Page # 34 – My Ok

Each primitive data type has a corresponding _____.

Function

Value

Object

Class

Page # 35 – My Ok

_____ contains the results of the SQL query

Applet

JDBC

GUI

Result Set

Page # 162 – My Ok

JVM assigns CPU to the threads based on _____.

Thread priorities

System priorities

Collective priorities

None of the given options

Page # 215 – My Ok

Each operating system and CPU architecture requires different

JVM

[JRE](#)

Hardware

Technology

[Page # 18](#)

TELNET works on _____ port.

21

[23](#)

80

84

[Page # 194 – My Ok](#)

Java program normally go through _____ phases.

Two

Three

Four

[Five](#)

[Page # 28 – My Ok](#)

Which of the following method takes the place of constructor in an Applet?

run()

main()

[init\(\)](#)

start()

[Page # 195](#)

Which of the following approach is used to create threads in java?

Inheritance

Interface

[Both inheritance and interface](#)

None of these

[Page # 212 – My Ok – Final MCQs](#)

Which of the following object is passed as an argument to paintComponent() method?

Image object

JPanel object

JFrame object

[Graphics object](#)

[Click Here – My Ok](#)

Servlet session and JSP session have different abilities.

True

[False](#)

[Click here For Detail – Final MCQs](#)

Servlet session and JSP session have _____ abilities.

Different

Same

Critical

None of these

INSERT, UPDATE, DELETE are _____ statements.

DDL

[DML](#)

DCL

None of the given

[Page#144 – My Ok](#)

You need to import _____ package to use streams

[java.io](#)

java.net

javax.servlet

java.util

[Page#82 – My Ok](#)

= = operator compares _____ of strings whereas equals() method compares _____ of strings.

Values, addresses

Addresses, values

Size, addresses

Addresses, size

The following is an example of _____

```
BufferedReader br = new BufferedReader(fr);
```

Byte oriented stream

Node stream

Filter stream

File stream

The following is an example of _____

```
FileReader fr=new FileReader("input.txt");
```

Byte oriented stream

node stream

filter stream

file stream

If there is no exception in the try block then the catch block _____ executes.

Always

Sometime

Never

None of the given

Which of the following stream is a byte oriented stream?

FileReader

PrintWriter

BufferedReader

FileInputStream

Port is a transport address to which processes can _____ for connections request.

Read

Write

Listen

None of the given options

Page # 194 – My Ok

From which object do you ask for DatabaseMetaData?

Connection

ResultSet

DriverManager

Driver

Page # 165 – My Ok

Interface can be implemented in JSP

TRUE

FALSE

Page # 99

Ref: - a class can implement more than one interfaces.

Which of the following method of an Applet is called every time when page is minimized?

Start()

Init()

Stop()

Destroy()

Page # 185 – My Ok

A method cannot be made final until whole class is made final.

True

False

Check ask from the instructor

A method can not be made final until whole class is made final.

True

False

Check ask from the instructor

Prepared statement writes the value of Id in prepared statement code

DML

Paint

Database table

1 code

Check

Which of the following problem occurs with lower priority threads?

Race condition

Starvation

Average waiting time

Process death

Which of the following approach is used to create threads in java?

Inheritance

Interface

Both Inheritances an Interface

None of these

My Ok

In Entity Relationship diagram, rectangular shape is used to represent _____

Attribute

Entity

Relationship

roles

Attribute

Which one of the following SQL query is used to retrieve data from database?

SELECT

UPDATE

Insert

Drop

Which one of the following is a data structure that can store multiple values of same type?

Function

array

variable

structure

When a call to function statement is encountered, then _____

The control transfers to its Prototype

The control transfers to its definition

The compiler stops execution of whole program

Control returns to statement following function call

SDLC stands for _____

Software Development Life Cycle

System Development Life cycle

Software Design Life Cycle

System Design Life Cycle

Compiler is a/an _____

Application Software

System Software

dricer

editer

language used in application programs to request data from the DBMS is referred to as _____

ddl

dml

dcl

all

The language used in application programs to request data from the DBMS is referred to as _____

DDL (Data Definition language)

DML (Data Manipulation language)

DCL (Data Control language)

All

In Entity Relationship diagram, rectangular shape is used to represent _____

Attribute

Entity

Relationship

roles

Attribute

An attribute in a relation is a foreign key if the _____ key from one relation is used as an attribute in that relation.

candidate

primary

super

secondary

primary

What purpose do classes serve?

Data encapsulation

Modeling real-world objects

Simplifying code reuse

All of the given

In relational databases, relation is termed as _____

row

tuple

attribute

table

Event handling is a _____ step process.

One

Two

Three

Four

Java compiler handles _____ exceptions by default.

Checked

Unchecked

Both checked and unchecked

None of the given

Check – Ask from instructor

What does the following code draw?

```
g.setColor(Color,black);
```

```
g.drawLine(10, 10, 10, 50);
```

```
g.setColor(Color,black);
```

```
g.drawRect(100, 100, 150, 150);
```

A red vertical line that is 40 pixels long and a red square with sides of 150 pixels

A black vertical line that is 40 pixels long and a red square with sides of 150 pixels

A black vertical line that is 50 pixels long and a red square with sides of 150 pixels

A red vertical line that is 50 pixels long and a red square with sides of 150 pixels

Which of the following is not true about constructor?

Same name as class name

Does not have any parameter(s)

No initialization list

Does not have return type

Suppose we have to create a GUI with the following design:

Stretches horizontally and has a fixed height

Stretches vertically and has a fixed Width

Takes up as much space as possible in all directions

What is the best single Layout to use?

Border Layout

GridLayout
Flow Layout
Box Layout
Check

If we have created a DSN named as employeeDSN what will be the url of database:

“jdbc:obdc: employwwDSN”

“jdbc_obdc: employwwDSN”

“obdc: jdbc: employwwDSN”

“jdbc:obdc_employwwDSN”

If we do not provide implementation of any one method of interface in a class that implements interface, class will:

Provide default implementation

Not compile

Run having no error

Become abstract

IndexOutOfBoundsException occurs when:

File is not present

Incorrect data type conversion is forced to do

Command line arguments are not passed

Number is divided by zero

Consider the following code segment.

String sql = SELECT * FROM Table;

PreparedStatement pstmt = con.prepareStatement(sql,

ResultSet.TYPE_SCROLL_INSENSITIVE, ResultSet.CONCUR_UPDATABLE);

Which of the following option is true?

It creates Updateable/Scrollable ResultSet which moves forward only.

It creates Updateable/Scrollable ResultSet which moves backward only.

It creates Updateable/Scrollable ResultSet which moves forward as well as backward.

It creates default ResultSet which moves backward forward as well as backward

In multi tier architecture object transfer can only happen if one of the following statements about objects is correct?

Objects should be always present

Objects reference should be set

Objects should be abstract

Objects need to be serialized

HTTP lies on which of the following layer?

Presentation Layer

Data Layer

Network Layer

Application Layer

Which of the following is the correct syntax to create ResultSetMetaData object?

ResultSetMetaData rsmd = con.getMetaData();// where con is Connection object

ResultSetMetaData rsmd = rs.getMetaData();// where rs is ResultSet object

ResultSetMetaData rsmd = stmt.getMetaData();// where stmt is Statement object

ResultSet rsmd = pstmt.getMetaData();// where pstmt is ResultSetMetaDta object

Page#162 – My Ok

Which of the following method is called only once during the life cycle of an Applet?

start()

init()

stop()

paint()

Page # 185

The “transient” keyword is used to _____ serialization

Prevent

allow

Avoid

None of the given options

My Ok- Ref:- The “transient” keyword is used to mark a field that should not be serialized

Person DSN url

String conURL = "jdbc:odbc:personDSN;

Page # 140 – My Ok

If a JPanel has a triangle drawn on it which of the following method will display it

PaintBorder()

Paint()

paintChildren()

paintComponent()

Page # 173

If we remove static from main then program

Program cannot compile

Program will compile and work properly

Run Time errors

Exception throws in main

Click here for Detail

If we remove String array from main then program_____

Program cannot compile

Program will compile and work properly

Run time errors

Exception throws in main

Page # 70

Click here for Detail

Which of the given Listener interface(s) have adopter class(s)?

ActionListener

MouseEventListener

AdjustmentListener

ItemListener

Page # 122

Which of the following interface needs to implement while creating threads?

Serializable

Runnable

ActionListener

WindowListener

Page # 228 –My Ok - Final MCQs

The "MouseDragged" and "mouseMoved" methods are defined in _____ interface.

ActionListener

ItemListener

MouseListener

MouseEventListener

Page # 122

If a class needs to handle events generated by button then which of the following interface a class needs to implement?

ComponentListener

KeyListener

MouseListener

ActionListener

Page # 116 – My Ok

Which of the following function will be used to register event handler with events generator (button)?

addAction()

addActionListener()

addListener()

registerListener()

Page # 116 – My Ok

Adapter classes have been defined for listener interfaces except _____ interface

MouseListener

KeyListener

WindowListener

ActionListener

[Click here For Detail](#) Page # 128 – My Ok

Adapter classes have been defined for listener interfaces having _____ methods.

only one

only two

more than one

more than two

Page # 128 – My Ok

What will happen if the String array is not provided as an argument to main method?

The program does not compile

The program compiles but does not run

The program compiles and runs successfully

None of the given options

Check – Ask from the instructor