The 'implements' keyword is used to ___.

a.
Implement the function of a class

b.
Inherit an interface in Java

c.
Inherit a class in java

d.
All of these

Clear my choice

What is the maximum number of IP addresses that can be assigned to hosts on a local subnet that uses the 255.255.255.224 subnet mask?

a.
15

b.
16

c.
14

d.
30

All are empty elements except:

a.
Horizontal rule

b.
Image element

c.
Bold

d.
Line break

Clear my choice

How which of the following android view sub-classes uses the webkit rendering engine to display web enabled contents?

a.
PageView

b.
WebView

c.
HttpClient

d.
WebBrowser

Which of the following mysqli function returns the number of rows selected?

a.
mysqli_fecth_array

b.
Mysqli_num_rows

c.
mysqli_affected_rows

d.
Mysqli_fetch_row

Clear my choice

An active directory partition which contains the network connections information within the whole forest topology.

a.
Schema partition

b.
Application partition

c.
Domain partition

d.
Configuration partition

Consider the SQL query SELECT * FROM CUSTOMER WHERE A1=4 AND A2=10 AND A3=11. Suppose CUSTOMER has one million records stored in 100 disk pages, A1 has 10,000 unique values, A2 has 100,000 unique values, and A3 has 1,000 unique values, and values are distributed uniformly. Which relational algebra expression leads to the most efficient query execution plan?

a.
σA3=11(σA1=4(σA2=10(CUSTOMER)))

b.
σA2=10(σA1=4(σA3=11(CUSTOMER)))

c.
σA1=4(σA2=10(σA3=11(CUSTOMER)))

d.
σA3=11(σA2=10(σA1=4(CUSTOMER)))

_____ is one that could cause too much instability to guarantee the integrity of the system.

a.
System lockup

b.
Fatal error

c.
Blue screen of death

d.
OS instability problem

A column or combination of columns that matches with primary key of another table id is called:

a.
Candidate key

b.
Primary key

c.
Foreign Key

d.
Supper key

In which phases of the unified approach (UA) the scope of the project is clearly defined?

a.
Construction

b.
Inception

c.
Transition

d.
Elaboration

Which of the following is network layer protocol

a.
SMTP

b.
IP

c.
FTP

d.
TCP

Relational algebra is :

a.
Non procedural language

b.
Meta Language

c.
Data Definition Language

d.
Procedural query language

Clear my choice

Object oriented concepts in which the internal details of a class can be hidden from outside is

a.
Inheritance

b.
Polymorphisum

c.
Abstraction

d.
Encapsulation

Clear my choice

One among the following statements is related to project scope validation?

a.
Scope validation is important activity in project time management

b.
It is a difficult task to create a good scope statement and WBS for a project

c.
Scope validation involves formal acceptance of the completed project deliverables

d.
It is even more difficult to verify project scope and minimize scope changes

Clear my choice

Which of these keywords is used to manually throw an exception?

a.
Try

b.
Finally

c.
Catch

d.
Throw

What is the first step in project planning to IT?

a.
Determine project constraints.

b.
Determine the budget.

c.
Select the team organizational model.

d.
Establish the objectives and scope.

The type of database models they have the ability to store complex data types on the Web and used develop Interactive and dynamic web sites and applications with complex and interrelated objects and procedural data.

a.
Network database

b.
Relational Database

c.
Distributed database

d.
Object oriented Database

Among the following options, which statement is false about domain

a.
The objects for a single domain stored in a database can be replicated.

b.
The security boundary within which users, computers, groups, and other objects are accessible.

c.
It is a group of computers and users that share the same active directory database.

d.
Domains are identified by their DNS name.

Which one of the following is the first step in the planning phase of a project?

a.
Establish the objectives and scope.

b.
Determine the budget.

c.
Determine project constraints.

d.
Select the team organizational model.

Which one of the following C# components solve naming conflict

a.
Namespace

b.
Objects and variable

c.
Main method

d.
Class

Which one of the following C# components solve naming conflict

a.
Namespace

b.
Objects and variable

c.
Main method

d.
Class

Clear my choice

It is one of symmetric encryption schemes where plaintext is processed one bit at a time?

a.

AES cipher

b.

Stream cipher

c.

Block cipher

d.

DES cipher

Which of the following is not a right way of declaring an array in C#?

a.
int[] intArray = new int[]{1, 2, 3, 4, 5};

b.
int[,] intArray;

c.
int intArray[] = new int[5];

d.
int[] intArray = new int[5];

In a schedule S with two transactions T1 and T2, T1 reads the data item which was produced by T2 and T1 commits before T2 commits. In this case, the schedule S is said to be a _____ schedule.

a.
Serial

b.
Non-recoverable

c.
Recoverable

d.
Conflict serializable

In android, we can easily make a phone call from our android applications by invoking built-in phone calls app using Intents action

a.
ACTION_CONNECT

b.
ACTION_DAIL

c.
ACTION_CALL

d.
ACTION_PHONE

Clear my choice

Which level of visibility is Application level visibility and the lowest level of protection.

a.
Package

b.
Private

c.
Protected

d.
Public

In a block, the subnet-mask is 255.255.192.0; what is the prefix length?

a.
/20

b.
/28

c.
/18

d.
/16

One of the following is false about ticket granting ticket

a.
It stores permissions applied on it.

b.
It is used to validate user accounts

c.
It is an association between user account and security ID.

d.

Created using the user account

The operation of a relation X, produces Y, such that Y contains only selected attributes of X. Such an operation is:


a.
Intersection

b.
Union

c.
Difference

d.
Projection

A java keyword that is used for developing the inheritance between two classes


a.
implements

b.
extends

c.
inherits

d.
protects

If a technician is unable to create a backup of data on a customer computer, what three pieces of information should the technician include on the liability release form signed by the customer before beginning work?


a.
permission to work on the computer without a current backup available

b.
a release from liability if data is lost or corrupted

c.
a description of the work to be performed


d.
all

The method of design encompassing the process of object-oriented decomposition and a notation for depicting both logical and physical and as well as static and dynamic models of the system under design is known as:


a.
None of the mentioned

b.
Object- Oriented Analysis

c.
Object- Oriented Programming

d.
Object- Oriented Design

Non functional requirements that deals about constraints on the actual delivery of the system (constraints on the installation media for setting up the software) is refereed to as _____


a.
Packaging requirements

b.
Legal requirements

c.
Interface requirements

d.
Implementation requirements

Which one of the following phases of a project life cycle are correct?


a.
Concept, definition, development, handover and closure.

b.
Concept, definition, implementation and operations.

c.

Initiation, definition, planning, monitoring and operations.

d.
Starting, planning, control and closing.

Select name, course_id from instructor, teaches where instructor_ID= teaches_ID; This Query can be replaced by which one of the following?

a.
Select name ,course_id from instructor;

b.
Select course_id from instructor join teaches;

c.
Select name, course_id from instructor natural join teaches;

d.
Select name,course_id from teaches,instructor where instructor_id=course_id;

Select * from employee, what type of statement is this?

a.
Integrity constraint

b.
View

c.
DML

d.
DDL

Parts cannot exist on their own and the part object can belong to only one whole is refereed to as ---------

a.
Composition

b.
Generalization

c.

Aggregation



d.
Association

A critical component of the motherboard is called _____.



a.
BIOS



b.
Chipset



c.
CPU



d.
RAM

Which one of the following statement is not true about the collection interface?



a.
set interface extends collection interface



b.
list interface extends collection interface



c.
all methods defined in list interface are also defined in collection interface



d.
all methods defined in set interface are also defined in collection interface

-------- refers to the process of examining a business situation with the intent of improving it through better procedures and methods.



a.
System analysis



b.
Software Investigation



c.
Software Requirement

d.
Software Anticipation

Which one the following is true about Surge power failure?

a.
Are very short over voltage conditions.

b.
A brief decrease of voltage at power source.

c.
This is a complete power failure

d.
A brief increase in the voltage source.

Which one the following is true about Surge power failure?

a.
Are very short over voltage conditions.

b.
A brief decrease of voltage at power source.

c.
This is a complete power failure

d.
A brief increase in the voltage source.

Clear my choice

A network administrator needs to monitor network traffic to and from servers in a data center. Which features of an IP addressing scheme should be applied to these devices?

a.
Random static addresses to improve security

b.
Addresses from different subnets for redundancy

c.
Predictable static IP addresses for easier identification

d.
Dynamic addresses to reduce the probability of duplicate addresses

Which one of the following statement is not true about the collection interface?

a.
list interface extends collection interface

b.
Set interface extends collection interface

c.
All methods defined in list interface are also defined in collection interface

d.
All methods defined in set interface are also defined in collection interface

is type of attack/threat where an intruder blocks access from legitimate users?

a.
Eavesdropping

b.
Bruit force attack

c.
Interception

d.
Denial of Service(DoS) attack

Clear my choice

Which of the following statement is true concerning objects and/or classes?

a.
a single instance of a class is an object

b.
an object includes encapsulates only data.

c.
a class is an instance of an object.

d.
a class includes encapsulates only data.

Which one the following is true about sags power failure?

a.
A brief decrease of voltage at power source.

b.
This is a complete power failure

c.
Are very short over voltage conditions.

d.
A brief increase in the voltage source.

Assume that you have three windows domain networks labeled as Network X, Network Y and Network Z. Network X trusts Network Y and Network Z trust Network Y and the trust is one way trust relationship. So which of the following is/are true?

a.
Users from network Y can access allowed resource on Y.

b.
Users from network Y can access allowed resource on X.

c.
Users from network Z can access allowed resource on X.

d.
Users from network Z can access allowed resource on Y.

Clear my choice

A brief description of a control that’s displayed as a help message automatically when a user place the mouse pointer over that control is

a.
ToolTip

b.
ErrorProvider

c.
NotifyIcon

d.
SMS

Which statement is true about Active Heat sink?

a.
They are made up of aluminium.

b.
An active heat sink cools better than passive heat sink by forcing air flow.

c.
They cool the CPU by using thermal conduction and radiation.

d.
Passive heat sinks have no moving parts.

Clear my choice

The filesize() function returns the file size in _____

a.
bits

b.
gigabytes

c.
kilobytes

d.
bytes

Which one of the following function fetches a result row as an associative array or an index array, or both?

a.

mysqli_fetch_array()

b.
mysqli_assoc_array()

c.
mysqli_fetch_row()

d.
mysqli_fetch_assoc()

Identify a statement that defines portfolio management very well?

a.
A group of programmes carried out under the sponsorship of an organization.

b.
A group of people who work together to achieve a certain goal.

c.
A group of projects and programmes carried out within an organization.

d.
A group of projects carried out under the sponsorship of an organization.

What is the difference between Classes and Objects

a.
A class is a keyword but an object is instance variable.

b.
A class is a blueprint of a real-world object but an object is an instance of that class.

c.
They are basically the same, just different words

d.
An Object is a blueprint of a real-world object but a class is an instance of that object.

One of the following is Not True about members in FileMode enumerations when we working on file in C#.

a.
Open: Open an existing file, if the file doesn’t exist, it throws exception



b.
Create: Create a new file , if the file exist it will throws exception



c.
CreateNew: Create a new File , if the file exist , it throws exception



d.
Append: Open and append to a file if the file doesn’t exist , it create a new file

Which is more effective while calling the C++ functions?



A.
call by value



B.
call by object



C.
call by pointer



D.
call by reference

The output of the following C++ Program is:

```
        int *ptr, a = 5;
   ptr = &a;
   *ptr += 1;
        cout<<*ptr<<"\t"<<a<<endl;
int b;
b=20;
b+=2;
ptr=&b;
cout<<*ptr<<"\t"<<b<<endl;
```



A.
8 8 24 24

B.
6 6 22 22

C.
7 7 21 21

D.
10 10 28 28

The false one from the following statements is:

a.
Any class that contains one or more abstract methods must also be declared abstract.

b.
A variable declared as static prevents the content of that variable being modified.

c.
Any subclass of an abstract class must either implement all of the abstract methods in the superclass or be itself declared abstract.

d.
Declaring a class as final implicitly declares all of its methods as final, too.

It is like the combox box of AWT or Swing with multiple values from which the end user can select only one value.

a.
Android DropDown

b.
Android Spinner

c.
Android SeekBar

d.
Android ListView

It is like the combox box of AWT or Swing with multiple values from which the end user can select only one value.

a.
Android DropDown

b.
Android Spinner

c.
Android SeekBar

d.
Android ListView

Clear my choice

One of the following threats is a threat to confidentiality?

a.
Repudiation

b.
Deception

c.
Unauthorized disclosure

d.
Disruption

Which of the following mysqli function is used to choose from list of database?

a.
mysqli_query_db()

b.
mysqli_choose_db()

c.
mysqli_select_db()

d.
mysqli_connect_db()

Clear my choice

The loss in signal power as light travels down the fiber is called .....


a.
Propagation

b.
Scattering

c.
Interruption

d.
Attenuation

One of the following is a valid syntax for creating an object of an Account type


a.
Class Account;

b.
Account a = new Account();

c.
Object Account;

d.
Account a = Account();

If class A extends from class B and class B extends from class C, then the type of inheritance is _____?


a.
Multiple

b.
Multilevel

c.
hierarchical

d.
Single

Which class cannot create its instance?

a.
Parent class

b.
Anonymous class

c.
Abstract class

d.
Nested class

In concurrent transaction execution when transaction Tj reads an intermediate results of transaction Ti which is aborted. What type of problem is it?

a.
It is not a problem

b.
Uncommitted dependency

c.
Lost update

d.
Inconsistency analysis

Which one of the following is /are not the limitations of the fill based approach

a.
Data sharing

b.
Complexity in designing

c.
Duplication of data

d.
Separation of data

Clear my choice