Started on	Saturday, 13 May 2023, 4:01 PM
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Time taken	1 hour 3 mins
Marks	61.00/120.00
Grade	**50.83** out of 100.00

Question **1**
Correct
Mark 1.00 out of 1.00

_____ test is performed when some changes are made to an existing system.

Select one:
- a. Regression testing ✔
- b. Black-box testing
- c. White-box testing
- d. Unit testing

The correct answer is: Regression testing

Question **2**
Correct
Mark 1.00 out of 1.00

_____ describes changes to one subsystem will have high impact on the other subsystem.

Select one:
- a. Low cohesion
- b. High cohesion
- c. High coupling ✔
- d. Low coupling

The correct answer is: High coupling

Question **3**
Correct
Mark 1.00 out of 1.00

_____ is a message in a sequence diagram used when a sender must wait for a response to a message before it continues.

Select one:
- a. Synchronous message ✔
- b. Asynchronous message
- c. Reflex message
- d. Return message

The correct answer is: Synchronous message

Question **4**

Incorrect

Mark 0.00 out of 1.00

Which of the following is necessarily valid statement/statements?
i) Object-oriented programming paradigm is most popular without any weakness.
ii) The central core point in OOP is function.
iii) Code reusability is the unique advantage of OOP.

Select one:

- A. i and ii only ✖
- B. i and iii only
- C. iii
- D. ii and iii only

Your answer is incorrect.

The correct answer is: iii

Question **5**

Correct

Mark 1.00 out of 1.00

What will be the output of the following PHP code.

```
<?php
function injibra( ) {
  static $INU = 3;
  echo $INU;
  $INU++; }
injibra( );
injibra( );
injibra( );
?>
```

Select one:

- A. 3injibara
- B. 543
- C. 345 ✔
- D. 333

Your answer is correct.

The correct answer is: 345

Question **6**

Incorrect

Mark 0.00 out of 1.00

```
What is the output of the following source code?
class Automobile {
    private String drive() {
        return "Driving vehicle";
    }
}
class Car extends Automobile {
    protected String drive() {
        return "Driving car";
    }
}
public class ElectricCar extends Car {
    @Override
    public final String drive() {
        return "Driving electric car";
    }
    public static void main(String[] wheels) {
        final Car car = new ElectricCar();
        System.out.print(car.drive());
    }
}
```

Select one:

- A. Driving electric car
- B. Driving car
- C. The code does not compile ✖
- D. Driving vehicle

Your answer is incorrect.

The correct answer is: Driving electric car

Question **7**

Correct

Mark 1.00 out of 1.00

A dialog box is often used if user wants to make sure information comes from other users and the user will have to click "OK" to proceed. This dialog box is known as:_____.

Select one:

- a. Confirm box
- b. None of the above
- c. Alert box ✔
- d. Prompt box

The correct answer is: Alert box

Question **8**

Correct

Mark 1.00 out of 1.00

A network diagramming technique used to predict total project duration is _____.

Select one:

- a. Critical path method ✔
- b. Crashing
- c. Gantt chart
- d. PERT

The correct answer is: Critical path method

Question **9**
Incorrect
Mark 0.00 out of 1.00

A plan which has predefined actions that the project team will take if an identified risk event occurs is _____.

Select one:
- a. Fallback ✖
- b. Allowances
- c. Contingency
- d. Reserve

The correct answer is: Contingency

Question **10**
Correct
Mark 1.00 out of 1.00

A type of firewall that filters traffic based on the internet services for receiving or transmission is called .....

Select one:
- a. Circuit-level gateway firewalls ✔
- b. Static packet-filtering firewall
- c. State full inspection firewalls
- d. Application-level gateway firewall

The correct answer is: Circuit-level gateway firewalls

Question **11**
Correct
Mark 1.00 out of 1.00

All are true about IP vulnerabilities at network layer except?

Select one:
- a. With Smurf, an attacker sends maximum length fragmented packet and the defragmentation process cause system crash due to buffer overflow that leads to DoS. ✔
- b. In Ping of Death, the receiver is vulnerable to DoS.
- c. ICMP destination unreachable attack happens when an attacker sends an ICMP destination unreachable error message to hosts.
- d. ICMP redirect message is sent by routers when a better route is identified

The correct answer is: With Smurf, an attacker sends maximum length fragmented packet and the defragmentation process cause system crash due to buffer overflow that leads to DoS.

Question **12**
Incorrect
Mark 0.00 out of 1.00

Among the following basic tools and techniques for cost estimates one can use the actual cost of a previous, similar project as the basis for the new estimate.

Select one:
- a. Bottom-up
- b. All
- c. Top-Down
- d. Parametric ✖

The correct answer is: Top-Down

Question **13**
Correct
Mark 1.00 out of 1.00

Among the following which activity helps to determine the entities, attributes and relationship of data in database design?

Select one:
- a. Physical database modelling
- b. Conceptual database modeling ✔
- c. Logical database modelling
- d. Database implementation

The correct answer is: Conceptual database modeling

Question **14**
Correct
Mark 1.00 out of 1.00

Among the given web development tools one is not grouped under client side languages.

Select one:
- a. PHP ✔
- b. HTML
- c. CSS
- d. JavaScript

The correct answer is: PHP

Question **15**
Incorrect
Mark 0.00 out of 1.00

Assembling project team and assigning their responsibilities are done during which project management phase?

Select one:
- a. Execution
- b. Closure ✖
- c. Planning
- d. Initiation

The correct answer is: Initiation

Question **16**
Correct
Mark 1.00 out of 1.00

Assume that you want to implement a mechanism that automates the IP configuration, including IP address, subnet mask, default gateway, and DNS information. Which protocol will you use to accomplish this?

Select one:
- a. Dynamic Host Configuration Protocol ✔
- b. Simple Network Management Protocol
- c. Address Resolution Protocol
- d. Simple Mail Transfer Protocol

The correct answer is: Dynamic Host Configuration Protocol

Question **17**
Correct
Mark 1.00 out of 1.00

Assume that, if you are asked by Xyz Company to develop application for its business automation, and then what will be the order of activities you will take as an application developer to perform the required software?

Select one:

- a. Deployment, problem identification, requirement gathering, implementation, maintenance, design, testing
- b. Problem identification, Requirement gathering, design, implementation, testing, Deployment, maintenance ✔
- c. Requirement gathering, implementation, maintenance, Deployment, problem identification, testing, design
- d. Design, Requirement gathering, problem identification, implementation, maintenance, Deployment, testing

The correct answer is: Problem identification, Requirement gathering, design, implementation, testing, Deployment, maintenance

Question **18**
Correct
Mark 1.00 out of 1.00

Avoiding uses of the same method name in two or three classes can be achieved by_____.

Select one:

- a. Inheritance
- b. Polymorphism ✔
- c. Encapsulation
- d. Abstraction

The correct answer is: Polymorphism

Question **19**
Correct
Mark 1.00 out of 1.00

Central Processing Unit (CPU) is one of the major components of a PC in which it is applicable for:

Select one:

- a. The area where all of the processing takes place ✔
- b. The area where ail the of the Basic input/output routines are stored
- c. The device that sends the monitor signals telling it what to display
- d. The area that regulates all of the system power usage

The correct answer is: The area where all of the processing takes place

Question **20**
Correct
Mark 1.00 out of 1.00

Consider you are a technician for an organization and one employee mentions that opening a large document file is taking longer than usual. Then, you guess that the problem might be in the hard disk. What will be the next task will do?

Select one:

- a. Substitute the hard disk with a new one to pinpoint the exact problem.
- b. Do the disk cleanup procedure.
- c. Contact a data recovery company for service. ✔
- d. Back up the user data from the workstation.

The correct answer is: Contact a data recovery company for service.

Question **21**
Incorrect
Mark 0.00 out of 1.00

Exceptions in java can be:

Select one:

- a. Handled by a try statement without having a matching catch statement
- b. Handled by Put the code you want to run in the try block, and any Java exceptions that the code throws are caught by one or more catch blocks.
- c. Handled by a catch statement without having a matching try statement
- d. Handled by a catch statement without declaring the type of exception you are trying to catch. ✖

The correct answer is: Handled by Put the code you want to run in the try block, and any Java exceptions that the code throws are caught by one or more catch blocks.

Question **22**
Incorrect
Mark 0.00 out of 1.00

From which Project life cycle (activities) can do Setup a project organization?

Select one:

- a. Planning (development) ✖
- b. Monitoring and control (implementation)
- c. Maintenance and support
- d. Initiation (concept)

The correct answer is: Monitoring and control (implementation)

Question **23**
Incorrect
Mark 0.00 out of 1.00

How do you understand and express Visual development environment?

Select one:

- a. It is a software environment that doesn't allows the development of a web based applications
- b. All of the above ✖
- c. It is a software environment that allows the creation of User interface elements by writing codes
- d. It is a software environment that allows the creation of User interface elements by using pictorial elements.

The correct answer is: It is a software environment that allows the creation of User interface elements by using pictorial elements.

Question **24**
Correct
Mark 1.00 out of 1.00

If every non-key attribute is functionally dependent on the primary key, then the normal form will be in_____.

Select one:

- a. 1NF
- b. 3NF
- c. 4NF
- d. 2NF ✔

The correct answer is: 2NF

Question **25**
Correct
Mark 1.00 out of 1.00

If you need to develop a calculator application using Java program, then which exception class you will use to handle the exception generated by the program when any number divide by zero is attempted?

Select one:

- a. NullPointerException
- b. ArithmeticException ✔
- c. NumberFormatException
- d. ClassNotFoundException

The correct answer is: ArithmeticException

Question **26**
Correct
Mark 1.00 out of 1.00

Injibara University created a connection with another new branch company. The new company already has its own network infrastructure. So, in order to assess the requirements of both Injibara University and the new company, you are required to determine that each company will have separate partitions. Based on the given scenario, what should you do?

Select one:

- a. Configure a child domain trust under the Injibara University forest parent domain for the new company.
- b. Configure two forests for Injibara University and the new company. ✔
- c. None
- d. Establish the new company as a new domain tree within the Injibara University Forest.

The correct answer is: Configure two forests for Injibara University and the new company.

Question **27**
Correct
Mark 1.00 out of 1.00

It is obvious that our computers may lose its clock to show a correct time. Mostly, this problem illustrates the problem of_____

Select one:

- a. The operating system needs to be patched.
- b. The CPU needs to be overclocked.
- c. The motherboard clocking crystal is damaged.
- d. The CMOS battery is loose or failing. ✔

The correct answer is: The CMOS battery is loose or failing.

Question **28**
Incorrect
Mark 0.00 out of 1.00

JSP is a technology for developing Webpages that supports dynamic content. JSP stands for_____.

Select one:

- a. Java Secured Program ✖
- b. Java Script Program
- c. JavaServer Page
- d. Java Service Provider

The correct answer is: JavaServer Page

Question **29**
Correct
Mark 1.00 out of 1.00

Let say you need to develop a java program using the concept of multi-threading applications. The program has multiple activities. These activities need to access the same data item at the same time. This creates a read/write problem. So how can you manage this problem in java thread programming?

Select one:

- a. Using synchronized approach (writing synchronized keyword before thread method name) ✔
- b. Blocking each individual thread programs sequentially
- c. Using priority technique
- d. Rearranging the order of codes of each individual thread

The correct answer is: Using synchronized approach (writing synchronized keyword before thread method name)

Question **30**
Correct
Mark 1.00 out of 1.00

On the above question number 2 the term injibra implies that ____.

Select one:

- a. The parameters of the function
- b. The variable of the function
- c. The value of the function
- d. The name of the function ✔

The correct answer is: The name of the function

Question **31**
Correct
Mark 1.00 out of 1.00

One is incorrect about to describe of Beep code?

Select one:

- a. Problems occurred during booting is either displayed on the screen or the computer gives beep sounds.
- b. None of the above ✔
- c. When the computer starts it performs a Power-on Self-Test (POST).
- d. Beep sound may also be due to a wrong connection or a loose connection.

The correct answer is: None of the above

Question **32**
Incorrect
Mark 0.00 out of 1.00

One is the best indication for the symptom of a failing power supply?

Select one:

- a. The display has only a blinking cursor.
- b. The computer displays a POST error code. ✖
- c. The power cord will not attach properly to either the power supply or wall outlet or both.
- d. The computer sometimes does not turn on.

The correct answer is: The power cord will not attach properly to either the power supply or wall outlet or both.

Question **33**
Correct
Mark 1.00 out of 1.00

One of the following Form Attribute is used to upload data on the web page

Select one:
- a. target
- b. method ✔
- c. action
- d. enctype

The correct answer is: method

Question **34**
Correct
Mark 1.00 out of 1.00

One of the following form elements has no input type.

Select one:
- a. drop-down menus ✔
- b. text fieldS
- c. checkboxes
- d. radio buttons

The correct answer is: drop-down menus

Question **35**
Correct
Mark 1.00 out of 1.00

One of the following HTML line of code is correct to displays 2H2O3 on the web.

Select one:
- a. 2H²O<sub>3</sup>
- b. <b>²H₂O³</b>
- c. <b>2H₂O³</b> ✔
- d. <b>₂H²O₃</b>

The correct answer is: <b>2H₂O³</b>

Question **36**
Incorrect
Mark 0.00 out of 1.00

One of the following is false about Concurrency control.

Select one:
- a. Concurrent access is quite easy if all users are just reading data and there is no way they can interfere with one another ✖
- b. For any practical database Concurrent access, would have a mix of reading and WRITE operations takes place the concurrency is a challenge
- c. Concurrency control is the procedure in DBMS for managing simultaneous operations without conflicting with each another
- d. Concurrent access is quite difficulty if all users are just reading data and there is a way they can interfere with one another

The correct answer is: Concurrent access is quite difficulty if all users are just reading data and there is a way they can interfere with one another

Question **37**
Incorrect
Mark 0.00 out of 1.00

One of the following is false about functional and non-functional requirement?

Select one:
- a. Functional requirement describes the security of the system.
- b. Non-functional requirements describe the performance and supportability of the system. ✖
- c. Functional requirement describes what computations a system should perform.
- d. Non-functional requirement considers the usability of the system.

The correct answer is: Functional requirement describes the security of the system.

Question **38**
Correct
Mark 1.00 out of 1.00

One of the following is false about process transaction.

Select one:
- a. Concurrent execution of processes is interleaved in multiple CPUs. ✔
- b. Transaction processing provides a mechanism for describing logical units of database processing.
- c. Transaction processing systems require high availability and fast response time for hundreds of concurrent users.
- d. Transaction processing systems with large databases and hundreds of concurrent users executing database transactions. Transaction processing systems are systems with large databases and hundreds of concurrent users executing database transactions.

The correct answer is: Concurrent execution of processes is interleaved in multiple CPUs.

Question **39**
Incorrect
Mark 0.00 out of 1.00

One of the following is false statement?

Select one:
- a. A computer can be renamed only by the administrator of the computer. ✖
- b. IP address of a computer cannot be considered to provide and access resources shared with in a workgroup.
- c. Domain users must provide password and other identity credentials to access a domain.
- d. Members of workgroups have the same workgroup name and must have unique computer name.

The correct answer is: IP address of a computer cannot be considered to provide and access resources shared with in a workgroup.

Question **40**
Incorrect
Mark 0.00 out of 1.00

One of the following is false statement.

Select one:
- a. Granting privileges to users who need to use the system ✖
- b. The DBA hasn't a DBA account in the DBMS Sometimes these are called a system or super user account
- c. The DBA is responsible for the overall security of the database system
- d. A person or group of persons need to access a database system, the individual or group must first apply for a user account

The correct answer is: The DBA hasn't a DBA account in the DBMS Sometimes these are called a system or super user account

Question **41**

Correct

Mark 1.00 out of 1.00

One of the following is not the task of PHP.

Select one:

- a. PHP can control user-access
- b. PHP can add, delete, modify data in database
- c. PHP can collect form data
- d. None of the above ✔

The correct answer is: None of the above

Question **42**

Incorrect

Mark 0.00 out of 1.00

One of the following is risk identification tools and techniques which is used to derive a consensus among a panel of experts who make predictions about future developments?

Select one:

- a. Delphi Technique
- b. SWOT Analysis
- c. Brainstorming
- d. Interviewing ✖

The correct answer is: Delphi Technique

Question **43**

Incorrect

Mark 0.00 out of 1.00

One of the following is the correct syntax of CSS.

Select one:

- a. selector {property= value;} ✖
- b. property {selector = " value "}
- c. selector {property: value;}
- d. selector {property= " value "}

The correct answer is: selector {property: value;}

Question **44**

Incorrect

Mark 0.00 out of 1.00

One of the following line of code is correct to hide user password on the web.

Select one:

- a. <form> Password: <input type="button" name="password"> </form>
- b. <form> Password: <input type="number" name="password"> </form>
- c. <form> Password: <input type="text" name="password"> </form> ✖
- d. <form> Password: <input type="password" name="password"> </form>

The correct answer is: <form> Password: <input type="password" name="password"> </form>

Question **45**
Incorrect
Mark 0.00 out of 1.00

one of the following PHP array function sort arrays in descending order.

Select one:
- a. sort() ✖
- b. array_shift()
- c. array_pop()
- d. rsort()

The correct answer is: rsort()

Question **46**
Incorrect
Mark 0.00 out of 1.00

One of the following PHP function generates a warning message and script will continue its execution.

Select one:
- a. include( )
- b. post( )
- c. get( ) ✖
- d. require( )

The correct answer is: include( )

Question **47**
Incorrect
Mark 0.00 out of 1.00

One of the following PHP loops works only with arrays.

Select one:
- a. Foreach Loop
- b. For Loop
- c. Do Loop
- d. While Loop ✖

The correct answer is: Foreach Loop

Question **48**
Incorrect
Mark 0.00 out of 1.00

One of the following statements is correct to create database named University.

Select one:
- a. mysql_create("CREATE DATABASE University ",$con)
- b. mysql_connect("CREATE DATABASE University ",$con)
- c. mysql_display("CREATE DATABASE University ",$con) ✖
- d. mysql_query("CREATE DATABASE University ",$con)

The correct answer is: mysql_query("CREATE DATABASE University ",$con)

Question **49**
Correct
Mark 1.00 out of 1.00

One of the following web protocol is used to transfer hypertexts over the internet and defines how browsers send requests to web servers.

Select one:
- a. None of the above
- b. HTTP ✔
- c. FTP
- d. DNS

The correct answer is: HTTP

Question **50**
Incorrect
Mark 0.00 out of 1.00

Sometimes, when you are using computers windows may restart suddenly without warning. This can be_____

Select one:
- a. Software issue or error.
- b. Hardware issue or error.
- c. Heat-related issue. ✖
- d. All

The correct answer is: All

Question **51**
Incorrect
Mark 0.00 out of 1.00

The physical layer translates logical communication requests from the _____into headwear specific operations?

Select one:
- a. Transport layer
- b. Data link layer
- c. Application layer ✖
- d. Network layer

The correct answer is: Data link layer

Question **52**
Incorrect
Mark 0.00 out of 1.00

The crucial reason for applying preventive maintenance is_____.

Select one:
- a. It helps to protect the computer equipment against future problems.
- b. It enables to check on the location and state of the computer assets. ✖
- c. It allows to regularly monitor the contents of user hard drives to ensure computer use policies are being followed.
- d. It is good opportunity for computer technicians to obtain more experience in a computer problem environment.

The correct answer is: It helps to protect the computer equipment against future problems.

Question **53**
Correct
Mark 1.00 out of 1.00

The database design that consists of multiple tables that are linked together through matching data stored in each table is known as?

Select one:
- a. Object oriented database
- b. Relational database ✔
- c. Network database
- d. Hierarchical database

The correct answer is: Relational database

Question **54**
Correct
Mark 1.00 out of 1.00

The functional area of IPSec that assures the received packet is transmitted from the real source is called .....

Select one:
- a. Confidentiality
- b. Key management
- c. Authentication ✔
- d. None

The correct answer is: Authentication

Question **55**
Incorrect
Mark 0.00 out of 1.00

The typical method of enforcing discretionary access control in a database system is based on _____.

Select one:
- a. Mandatory security mechanisms
- b. Discretionary (optional) security mechanisms ✖
- c. Granting and revoking privileges.
- d. Threats to databases

The correct answer is: Granting and revoking privileges.

Question **56**
Incorrect
Mark 0.00 out of 1.00

To conduct preventive maintenance plan, which task should be performed on a hard drive as a first step?

Select one:
- a. Ensure the disk spins freely.
- b. Ensure cables are firmly connected.
- c. Blow out the inside of the drive with compressed air to remove dust. ✖
- d. Clean the read and write heads with a cotton swab.

The correct answer is: Ensure cables are firmly connected.

Question **57**
Correct
Mark 1.00 out of 1.00

What is multithreaded programming?

Select one:
- a. It is a process in which many different processes are able to access same information
- b. It is a process in which a single process can access information from many sources
- c. It is a process in which two or more parts of same process run simultaneously. ✔
- d. It is a process in which two different processes run simultaneously.

The correct answer is: It is a process in which two or more parts of same process run simultaneously.

Question **58**
Incorrect
Mark 0.00 out of 1.00

What is not the advantage of developing application using Graphical User Interface (GUI) in VB.NET?

Select one:
- a. It is used to interact with the application using commands
- b. It makes the application easy to use
- c. It makes our application more attractive
- d. It provides shortcuts ✖

The correct answer is: It is used to interact with the application using commands

Question **59**
Incorrect
Mark 0.00 out of 1.00

What is the advantage of using Rapid Application Development methodology over others?

Select one:
- a. It allows the development of software projects with in short time and allocated budget
- b. It is good to use if the users are not involved throughout the development process
- c. It is a traditional software development methodology ✖
- d. It doesn't allow any changes

The correct answer is: It allows the development of software projects with in short time and allocated budget

Question **60**
Correct
Mark 1.00 out of 1.00

What is the benefit that makes us to select event driven programming language to develop applications?

Select one:
- a. we have to select it because most programmers use this language,
- b. Event driven programming language code is easy to write and less complex
- c. Event driven programming language is easier to develop applications in modular sections ✔
- d. Event driven programming language is freely available to use than other

The correct answer is: Event driven programming language is easier to develop applications in modular sections

Question **61**
Incorrect
Mark 0.00 out of 1.00

What is the main purpose of writing visual basic.NET code inside Try and catch statement?

Select one:
- a. It is a must to put our code inside try and catch block ✖
- b. It does not have any advantage in coding
- c. It is used to make our code more readable
- d. It is used to handle errors in our code easily

The correct answer is: It is used to handle errors in our code easily

Question **62**
Incorrect
Mark 0.00 out of 1.00

What is the purpose of the start-up configuration file on a Cisco router?

Select one:
- a. To contain the commands that are used to initially configure a router on start up
- b. To provide a limited backup version of the IOS, in case the router cannot load the full featured IOS
- c. To contain the configuration commands that the router IOS is currently using
- d. To facilitate the basic operation of the hardware components of a device ✖

The correct answer is: To contain the commands that are used to initially configure a router on start up

Question **63**
Correct
Mark 1.00 out of 1.00

What type of trust relationship allows you to create two-way transitive trusts between a Window server 2008 domain and a domain running a non-Microsoft implementation?

Select one:
- a. Forest trust
- b. External trust
- c. Realm trust ✔
- d. Shortcut trust

The correct answer is: Realm trust

Question **64**
Incorrect
Mark 0.00 out of 1.00

When an event happens and we have registered an event listener for the event, the event listener calls the Event Handlers.

Select one:
- a. Action Listener ✖
- b. Event Listeners
- c. Event Listeners Registration
- d. Event Handlers

The correct answer is: Event Handlers

Question **65**
Incorrect
Mark 0.00 out of 1.00

When installing an Active Directory design for Injibara University, 5 domains are required. Each domain will be configured as a child under the root domain. What will be done in order to make users in one domain can access resources in another domain with a forest?

Select one:

- a. Configure non-transitive trust between all domains in the forest.
- b. Configure one-way trusts between each domain. ✖
- c. Configure two-way transitive trusts between all domains.
- d. None

The correct answer is: Configure two-way transitive trusts between all domains.

Question **66**
Incorrect
Mark 0.00 out of 1.00

Which command would be used to determine if a routing protocol-initiated relationship had been made with an adjacent router?

Select one:

- a. Show IP protocols
- b. show IP OSPF neighbour
- c. ping ✖
- d. shows IP interface brief

The correct answer is: show IP OSPF neighbour

Question **67**
Correct
Mark 1.00 out of 1.00

Which one of the following command is used to configure the interface into a specific VLAN?

Select one:

- a. Switch# show vlan brief
- b. Switch#configure terminal
- c. Switch#switchport access vlan name vlan-id ✔
- d. Switch(config)#interface

The correct answer is: Switch#switchport access vlan name vlan-id

Question **68**
Correct
Mark 1.00 out of 1.00

Which one of the following is not refers the difference between class and object?

Select one:

- a. Object is real entity whereas class logical
- b. Animal is class vs dog is object
- c. Class is template vs object is instance
- d. Class takes memory whereas object not ✔

The correct answer is: Class takes memory whereas object not

Question **69**
Incorrect
Mark 0.00 out of 1.00

Which ArrayList method is used to access a single array object from the collection?

Select one:
- a. Object remove(int index)
- b. Object get(int index)
- c. Object set(int index, Object element)
- d. void add(int index, Object element) ✖

The correct answer is: Object get(int index)

Question **70**
Incorrect
Mark 0.00 out of 1.00

Which building block of object-oriented programming refers to user-defined data types that act as the blueprint for individual objects, attributes and methods?

Select one:
- a. Objects
- b. Attributes
- c. Classes
- d. Methods ✖

The correct answer is: Classes

Question **71**
Correct
Mark 1.00 out of 1.00

Which is not true about the object-oriented approach?

Select one:
- a. Emphasis is on data rather than procedure
- b. Data is hidden and cannot be accessed by external functions
- c. Objects communicate through functions
- d. It supports abstract data but not the class ✔

The correct answer is: It supports abstract data but not the class

Question **72**
Incorrect
Mark 0.00 out of 1.00

Which is the first part of windows that display when the computer finish booting?

Select one:
- a. The application programs ✖
- b. My documents
- c. The Desktop
- d. My computer

The correct answer is: The Desktop

Question **73**
Correct
Mark 1.00 out of 1.00

Which object oriented features of java allow a java programmer to apply the properties and behaviors of a parent object for the new created (child) object?

Select one:

- a. Modularity.
- b. The ability of hiding details (unnecessary implementation code).
- c. Reuse of code through inheritance. ✔
- d. Flexibility of code through polymorphism.

The correct answer is: Reuse of code through inheritance.

Question **74**
Incorrect
Mark 0.00 out of 1.00

Which of the following administrator is responsible to ensure that the users of the networks receive the information with quality of service?

Select one:

- a. Web administrator
- b. Security administrator
- c. Network administrator ✖
- d. Database administrator

The correct answer is: Web administrator

Question **75**
Correct
Mark 1.00 out of 1.00

Which of the following are benefits of layering network protocol generally?

Select one:

- a. Data hiding and encapsulation
- b. Provides a common language to describe networking functions and capabilities.
- c. Decomposition
- d. All of the above ✔

The correct answer is: All of the above

Question **76**
Incorrect
Mark 0.00 out of 1.00

Which of the following are functions of physical layer?

Select one:

- a. It is the lowest layer of the OSI modeL
- b. It is responsible for the actual physical connection between the devices
- c. Transmit the individual bits from one computer to another ✖
- d. All of the above

The correct answer is: All of the above

Question **77**
Correct
Mark 1.00 out of 1.00

Which of the following are not security services?

Select one:
- a. Access control
- b. Repudiation ✔
- c. Confidentiality
- d. Integrity

The correct answer is: Repudiation

Question **78**
Correct
Mark 1.00 out of 1.00

Which of the following concrete class is used to implement List interface in java collections?

Select one:
- a. HashMap
- b. ArrayList ✔
- c. TreeMap
- d. TreeSet

The correct answer is: ArrayList

Question **79**
Incorrect
Mark 0.00 out of 1.00

Which of the following doesn't describe the successfulness of software projects?

Select one:
- a. It should Satisfy the users expectations ✖
- b. It must have good quality
- c. It can take long time, more than the allocated schedules
- d. It should resolve the diverse needs of the users

The correct answer is: It can take long time, more than the allocated schedules

Question **80**
Incorrect
Mark 0.00 out of 1.00

Which of the following is a content that should be described in a feasibility study document?

Select one:
- a. Required sources, costs, and delivery dates.
- b. Definition of the problem.
- c. All
- d. Alternative solutions and their expected benefits. ✖

The correct answer is: All

Question **81**
Incorrect
Mark 0.00 out of 1.00

Which of the following is Disadvantage of Distributed Database System?

Select one:
- a. Replication transparency
- b. Fragmentation transparency
- c. Integrity control more difficult
- d. Increased reliability and availability ✖

The correct answer is: Integrity control more difficult

Question **82**
Correct
Mark 1.00 out of 1.00

Which of the following is false about Polymorphism?

Select one:
- a. Different objects can respond to the same message in different ways.
- b. It is the ability of an object to take many forms.
- c. It allows us to perform the same action in many different ways.
- d. None ✔

The correct answer is: None

Question **83**
Correct
Mark 1.00 out of 1.00

Which of the following is false about requirements?

Select one:
- a. Requirements should be always be statement of how a system should do. ✔
- b. Requirement analysis allows software engineers to elaborate basic requirements.
- c. Requirement analysis allows software engineers to build models that depict user scenarios.
- d. System requirements are descriptions of system services and constraints.

The correct answer is: Requirements should be always be statement of how a system should do.

Question **84**
Correct
Mark 1.00 out of 1.00

Which of the following is false about structural and object-oriented programming paradigm?

Select one:
- a. Structural programming gives more importance of code whereas object-oriented gives more importance of data.
- b. In structural paradigm it is easy to reuse code whereas in object-oriented not ✔
- c. Programs are divided into small programs or functions in structural where as in object oriented Programs are divided object or entities.
- d. Data is secured in object-oriented whereas not secured in structural

The correct answer is: In structural paradigm it is easy to reuse code whereas in object-oriented not

Question **85**
Correct
Mark 1.00 out of 1.00

Which of the following is FALSE about transaction(T) in database?

Select one:
- a. It is may be Embedded within an application program
- b. It require high availability and fast response time for hundreds of concurrent users
- c. It is a logical unit of database processing that includes one or more database access operations.
- d. It has may not Begin/end transaction boundary ✔

The correct answer is: It has may not Begin/end transaction boundary

Question **86**
Correct
Mark 1.00 out of 1.00

Which of the following is false about user's accounts?

Select one:
- a. Domain controllers are required to be able to setup and login domain accounts.
- b. Local user accounts authenticate the user for local machine access only.
- c. Domain users are granted with the necessary privileges.
- d. Local user accounts are supported with access to resources on other computers. ✔

The correct answer is: Local user accounts are supported with access to resources on other computers.

Question **87**
Incorrect
Mark 0.00 out of 1.00

Which of the following is necessarily true statement?

Select one:
- a. Object state defines fields whereas object behavior defines methods
- b. All of the above ✖
- c. Class is a prototype.
- d. Objects communicate each other through methods.

The correct answer is: Objects communicate each other through methods.

Question **88**
Correct
Mark 1.00 out of 1.00

Which of the following is not challenges of network administration?

Select one:
- a. None ✔
- b. Poor network performance
- c. Vendor lock-in of networking devices
- d. Network growth

The correct answer is: None

Question **89**
Incorrect
Mark 0.00 out of 1.00

Which of the following is not the Benefit of project quality management?

Select one:
- a. Financial gains
- b. Customer satisfaction
- c. Reduce productivity
- d. Removes silos ✖

The correct answer is: Reduce productivity

Question **90**
Incorrect
Mark 0.00 out of 1.00

Which of the following is the limitation of database managment approach?

Select one:
- a. Difficult to handle complex data
- b. Restricting unauthorized access to data
- c. Data sharing among different applications ✖
- d. Representing complex relationships among data

The correct answer is: Difficult to handle complex data

Question **91**
Incorrect
Mark 0.00 out of 1.00

Which of the following is true about security attack types?

Select one:
- a. IP spoofing occurs on application layer of OSI reference model.
- b. In the internal attack, malicious node gains unauthorized access and acts as a genuine node.
- c. There is alteration of data with passive types of attacks. ✖
- d. Traffic analysis attacks try to disrupt the normal operation of the system.

The correct answer is: In the internal attack, malicious node gains unauthorized access and acts as a genuine node.

Question **92**
Incorrect
Mark 0.00 out of 1.00

Which of the following is true regarding VLANs?

Select one:
- a. VTP is used to send VLAN information to switches in a configured VTP domain.
- b. You should not have more than 10 switches in the same VTP domain.
- c. You must have at least two VLANs defined in every Cisco switched network.
- d. All VLANs are configured at the fastest switch and, by default, propagate this information to all other switches. ✖

The correct answer is: VTP is used to send VLAN information to switches in a configured VTP domain.

Question **93**
Incorrect
Mark 0.00 out of 1.00

Which of the following would be a logical first step in troubleshooting a PC?

Select one:
- a. Call the vendor
- b. Define the circumstances of the problem
- c. Check the computer CMOS ✖
- d. Define what applications are being used

The correct answer is: Define the circumstances of the problem

Question **94**
Incorrect
Mark 0.00 out of 1.00

Which one is a software creation platform that includes tools and software, compilers,debugging tools,and programming interfaces?

Select one:
- a. Android Graphics
- b. Android Animation
- c. Mobile app framework
- d. Android applications ✖

The correct answer is: Mobile app framework

Question **95**
Correct
Mark 1.00 out of 1.00

Which one is an alternative cross-platform application development framework that supports both IOS and Android?

Select one:
- a. React
- b. Swiftic
- c. Flutter
- d. Xamarin ✔

The correct answer is: Xamarin

Question **96**
Incorrect
Mark 0.00 out of 1.00

Which one is an inter-application message passing framework for communication between android components?

Select one:
- a. Foreground Services ✖
- b. Intent
- c. implicit Intent
- d. Intent methods

The correct answer is: Intent

Question **97**
Incorrect
Mark 0.00 out of 1.00

Which one of the following HTML tag is not appear in pairs?

Select one:
- a. <hr>
- b. <a>
- c. <h1>
- d. <ol> ✖

The correct answer is: <hr>

Question **98**
Correct
Mark 1.00 out of 1.00

Which one of the following is a class that is considered as an entry point for users that represents a single screen?

Select one:
- a. Service providers
- b. Component Providers
- c. Activity ✔
- d. Services

The correct answer is: Activity

Question **99**
Incorrect
Mark 0.00 out of 1.00

Which one of the following is a collection of libraries and Software Development tools that are essential for Developing Android Applications?

Select one:
- a. All
- b. Java Development Kit ✖
- c. Application Program Interface
- d. Software Development Kit

The correct answer is: Software Development Kit

Question **100**
Correct
Mark 1.00 out of 1.00

Which one of the following is false about connection oriented services?

Select one:
- a. Connection is established first
- b. It is reliable services
- c. No need to set up a connection first. ✔
- d. Telephone system

The correct answer is: No need to set up a connection first.

Question **101**
Correct
Mark 1.00 out of 1.00

Which one of the following is false about the property of Relation?

Select one:
- a. The relation has a name
- b. Each cell of the relation can contain more than one single value ✔
- c. Each entity is represented in one relation
- d. Each tuple in the relation is distinct, there are no duplicate tuples

The correct answer is: Each cell of the relation can contain more than one single value

Question **102**
Correct
Mark 1.00 out of 1.00

Which one of the following is False about virtual Circuit packet switching?

Select one:
- a. A route across the network is established and all packets of data follow that route.
- b. It is connection-oriented packet switching.
- c. No pre-determined route exists, and each packet is routed independently. ✔
- d. The sender will first requests a connection to the receiver, and waits for the connection to be established.

The correct answer is: No pre-determined route exists, and each packet is routed independently.

Question **103**
Incorrect
Mark 0.00 out of 1.00

Which one of the following is not true about basic Principles of Cost Management?

Select one:
- a. Sunk cost should be a criteria in project selection
- b. Life Cycle Costing is estimating the cost of a project over its entire life
- c. Profits are revenues minus expenses
- d. Cash Flow Analysis is determining the estimated annual costs and benefits for a project ✖

The correct answer is: Sunk cost should be a criteria in project selection

Question **104**
Correct
Mark 1.00 out of 1.00

Which one of the following is not true about UML?

Select one:
- a. It is a standard language used for writing software blueprints.
- b. UML used to visualize, specify, construct, and document artifacts of software system.
- c. None ✔
- d. UML uses mostly graphical notations to express Object Oriented analysis and design of software projects.

The correct answer is: None

Question **105**
Incorrect
Mark 0.00 out of 1.00

Which One of the following is the example of derived attributes in database system.

Select one:
- a. Colour
- b. Name ✖
- c. Address
- d. Birthdate

The correct answer is: Birthdate

Question **106**
Incorrect
Mark 0.00 out of 1.00

Which one of the following is the preferred robust framework method of animation in Android?

Select one:
- a. Property Animation
- b. Android Graphics
- c. View Animation
- d. Drawable Animation ✖

The correct answer is: Property Animation

Question **107**
Correct
Mark 1.00 out of 1.00

Which One of the following is the process of transforming a high-level query (SQL) into an equivalent lower level query (relational algebra)?

Select one:
- a. Query Cost
- b. Query processing ✔
- c. Optimization
- d. Query block

The correct answer is: Query processing

Question **108**
Correct
Mark 1.00 out of 1.00

Which one of the following is true about cardinality of the relation?

Select one:
- a. The number of tuples in the relations ✔
- b. The number of attributes in relations
- c. Row of relation
- d. Allowable values for one or more attributes

The correct answer is: The number of tuples in the relations

Question **109**
Incorrect
Mark 0.00 out of 1.00

Which one of the following is true about internal database architecture?

Select one:
- a. Describes what data is stored in the database and the relationships among the data ✖
- b. Describes how the data is stored in the database
- c. Communities view of database system
- d. Users view of the database

The correct answer is: Describes how the data is stored in the database

Question **110**
Incorrect
Mark 0.00 out of 1.00

Which one of the following network cable is widely used for local area networks?

Select one:
- a. Coaxial cable
- b. Optical Fiber ✖
- c. Spanning tree protocol
- d. Unshielded twisted pair

The correct answer is: Unshielded twisted pair

Question **111**
Correct
Mark 1.00 out of 1.00

Which one of the following network devices is hosted on a dedicated/virtual appliance or physical server?

Select one:
- a. Gateway ✔
- b. Router
- c. Modem
- d. Switch

The correct answer is: Gateway

Question **112**
Correct
Mark 1.00 out of 1.00

Which one of the following network devices stores the IP addresses?

Select one:
- a. Router ✔
- b. Hub
- c. Switch
- d. Bridge

The correct answer is: Router

Question **113**
Correct
Mark 1.00 out of 1.00

Which one of the following router components maintains the POST instructions?

Select one:
- a. Read-only memory ✔
- b. All of the above
- c. Random-access memory
- d. non-volatile random-access memory

The correct answer is: Read-only memory

Question **114**
Correct
Mark 1.00 out of 1.00

Which operations master role is responsible to provide unique security identifier (SID) for objects in AD (Active Directory) domain?

Select one:
- a. Schema master
- b. RID master ✔
- c. Domain Naming Master
- d. PDC emulator

The correct answer is: RID master

Question **115**
Correct
Mark 1.00 out of 1.00

Which php statement is used to update data from the table named Teacher using Age variable.

Select one:
- a. mysql_query("UPDATE Teacher SET Age = '26' FROM FirstName = 'Bitew'");
- b. mysql_query("UPDATE Age SET Age = '26' FROM FirstName = 'Bitew'");
- c. mysql_query("UPDATE Age SET Age = '26' WHERE FirstName = 'Bitew'");
- d. mysql_query("UPDATE Teacher SET Age = '26' WHERE FirstName = 'Bitew'"); ✔

The correct answer is: mysql_query("UPDATE Teacher SET Age = '26' WHERE FirstName = 'Bitew'");

Question **116**
Incorrect
Mark 0.00 out of 1.00

Which programming error is caused by missing the structure of visual basic programming language?

Select one:
- a. Syntax
- b. Execution
- c. Logic
- d. Semantics ✖

The correct answer is: Syntax

Question **117**
Correct
Mark 1.00 out of 1.00

Which steps in query processing is find the "cheapest" execution plan for a query?

Select one:
- a. Translation
- b. Parsing
- c. Optimization ✔
- d. Evaluation

The correct answer is: Optimization

Question **118**
Incorrect
Mark 0.00 out of 1.00

Which tool or technique for collecting requirements is often the most expensive and time consuming?

Select one:
- a. Focus groups discussion
- b. Observation
- c. Surveys
- d. Interviews ✖

The correct answer is: Focus groups discussion

Question **119**
Correct
Mark 1.00 out of 1.00

Which transmission media is has the highest transmission speed in the network?

Select one:
- a. Optical Fiber
- b. Electrical cable
- c. Coaxial cable ✔
- d. Twisted pair cable

The correct answer is: Coaxial cable

Question **120**
Incorrect
Mark 0.00 out of 1.00

Which types of Failures are more common?

Select one:
- a. Physical problems
- b. Disk failure ✖
- c. Catastrophes
- d. Transaction or system error

The correct answer is: Transaction or system error