

Which of the following are correct statements?

Select one:

- ☐ All of the mentioned
- ☐ An architecture is not dependable on requirements
- ☒ **An architecture is the structure of the computing system, which comprise software components and connectors**
- ☐ An architecture may or may not defines components

## Question 2

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which estimation technique uses empirically derived formulas based on the data from past project that compute the estimate based on the software size(FP) ?

Select one:

- ☐ Automated Estimation
- ☐ Decomposition technique
- ☒ **Empirical Estimation**

## Question 3

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Identify which of the below statements are true about Functional Independence.

Select one:

- ☐ Difficult to understand the code.
- ☐ Not easy to locate faults
- ☒ **Reuse of the module in any other project is possible**
- ☐ Enhance a code is complex.

## Question 4

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

In \_\_\_\_\_ coupling, the complete data structure is passed from one module to another module. But the called module operates on only some of the individual components.

Select one:

- ☐ Common
- ☐ Content
- ☒ **Stamp**
- ☐ Data

## Question 5

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

The goal of the design is to divide the system into modules and assign responsibilities among the components so that they have \_\_\_\_\_ cohesion and \_\_\_\_\_ coupling between modules.

Select one:

- ☐ Loose, High
- ☒ **High, Loose**
- ☐ Loose, Loose
- ☐ High, High

\_\_\_\_\_ refers to a programming language's ability to process objects differently depending on the context.

Select one:

- ☐ Encapsulation
- ☐ Inheritance
- ☒ **Polymorphism**
- ☐ Modularity

## Question 7

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

\_\_\_\_\_ is implemented in java as packages.

Select one:

- ☐ Inheritance
- ☒ **Encapsulation**

- ☐ Polymorphism
- ☒ **Modularity**

## Question 8

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

What is the relationship between Book and Chapter ?

Select one:

- ☒ **Composition**
- ☐ Aggregation
- ☐ Inheritance

## Question 9

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which of the below is an SCM tool?

Select one:

- ☒ **GIT**
- ☐ Check Style
- ☐ JDK
- ☐ Eclipse

## Question 10

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

In configuration management,----- is a specification or product that has been formally reviewed and agreed upon,and that can be changed further only through formal change control procedures

Select one:

- ☒ **Artefact**
- ☐ SRS
- ☐ **Baseline**

## Question 11

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

A Client was delivered with the software that he had asked for. Few months later, the client wanted to add a filter option to his search Page. The Client came back to the developer with the change. What is this phase called as?

Select one:

- ☐ Testing
- ☒ **Maintenance**
- ☐ Design
- ☐ Coding

## Question 12

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Unit Testing is performed in which phase of SDLC?

Select one:

- ☐ Testing
- ☒ **Coding**
- ☐ Design
- ☐ Analysis

## Question 13

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Conversion of what to how happens in which phase of SDLC?

Select one:

- ☐ Testing
- ☒ **Design**



Analysis



Maintenance

## Question 14

Not yet answered  
Marked out of 1.00



Flag question

### Question text

ABC company comes to Allen Software Company with various requirements. The client wants the functionality to view all the employee profile, view salary information of the employee and view the leave details. Once each functionality is completed the module will be delivered to the client. Which would be the right model for this scenario?

Select one:



Prototype



Waterfall model



**Incremental model**



Spiral model

## Question 15

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Client Comes to Allen Company for a Banking Solution. Who from the below options would be best suited to gather all the requirements correctly from the client

Select one:



Coder



Tester



**Analyst**



Designer

## Question 16

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Sana Resorts in Goa is processing all the activities manually for the past 10 years. Due to increase in the number of transactions, they decide to automate all the activities. The

requirements of the system are clear and stable in the manual process followed. Which of the following models would you suggest for the automation of the system?

Select one:

- ☐ Agile
- ☐ Spiral model
- ☒ **Waterfall model**
- ☐ Throwaway model

## Question 17

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which of the options given below, defines set of activities that converts user needs to effective software solution

Select one:

- ☐ Software Cost estimation
- ☐ Software Planning
- ☐ Software Resource Planning
- ☒ **Software development process**

## Question 18

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

All the unambiguous , clear requirements are mentioned in which of the given artifact

Select one:

- ☒ **SRS**
- ☐ LLD
- ☐ Testing Report
- ☐ HLD

## Question 19

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Communicational cohesion occurs when a module has a series of procedures, where one provides input to the next.

Select one:



True



False

## Question 20

Not yet answered

Marked out of 1.00



Flag question

### Question text

Software Design is concerned more about the internal design of a single software process

Select one:



True



False

## Question 1

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Choose two benefits of SOA ?

Select one or more:



Platform dependent



**Loosely Coupled**



Tightly Coupled



**Platform Neutral**

## Question 2

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Which of the following DevOps Principles uses version control system and central code repository?

Select one:



Continuous Delivery



**Continuous Integration**



Continuous Monitoring



Automation

## Question 3

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Which of the follow is not a part of Monolithic Application?

Select one:



Business Logic



Database



User Interface



**None of these**



## Question 4

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Service offered by Amazon is

Select one:

- ☐ Directory Service
- ☐ Cosmos DB
- ☐ Office 365
- ☒ **AmazonS3**

## Question 5

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

In which year AWS was launched ?

Select one:

- ☐ 2012
- ☒ **2006**
- ☐ 1996
- ☐ 2007

## Question 6

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which of the following is correct for Microservices?

Select one:

- ☐ Low Cohesion and Low Coupling
- ☒ **High Cohesion and Low Coupling**
- ☐ Low Cohesion and High Coupling
- ☐ High Cohesion and High Coupling

## Question 7

Not yet answered  
Marked out of 1.00



Flag question

### Question text

The **Service discovery** is how applications and services locate each other on a network.

## Question 8

Not yet answered  
Marked out of 1.00



Flag question

### Question text

The **Continuous** deployment allows to switch to the new production environment.

## Question 9

Not yet answered  
Marked out of 1.00



Flag question

### Question text

DevOps is an open source containerization platform.

Select one:



True



False

## Question 10

Not yet answered  
Marked out of 1.00



Flag question

### Question text

If the traffic to the containers is high, the load cannot be balanced.

Select one:



True



False

## Question 11

Not yet answered  
Marked out of 1.00



Flag question

Question text

Expand IAM

Select one:

- ☐ Identity and Access Manager
- ☐ Identity and Active Management
- ☒ **Identity and Access Management**
- ☐ Identity and Access Mode

## Question 12

Not yet answered  
Marked out of 1.00

☐ Flag question

Question text

An availability zone is made up of one or more \_\_\_\_

Select one:

- ☐ Memory
- ☒ **Data Centers**
- ☐ Servers
- ☐ Networks

## Question 13

Not yet answered  
Marked out of 1.00

☐ Flag question

Question text

\_\_\_\_ is the open source PAAS from RedHat

Select one:

- ☐ EC2
- ☐ Cloud Foundry
- ☐ Kubernetes
- ☒ **OpenShift**

## Question 14

Not yet answered  
Marked out of 1.00

☐ Flag question

Question text

Which models are used for message orientation in an event driven architecture

Select one or more:

- ☒ **Topic Model**
- ☒ Log Model
- ☒ Signal Model
- ☒ **Queue Model**

## Question 15

Not yet answered  
Marked out of 1.00

☒ Flag question

### Question text

Which of these are design patterns for microservices

Select one or more:

- ☒ **Event Bus**
- ☒ **Service Mesh**
- ☒ **API Gateway**
- ☒ **BFF**

## Question 16

Not yet answered  
Marked out of 1.00

☒ Flag question

### Question text

Which constraint must be adhered by API to be RESTFUL

Select one:

- ☒ Non-Cacheable
- ☒ Multiple Interface
- ☒ Stateful
- ☒ **Stateless**

## Question 17

Not yet answered  
Marked out of 1.00

☒ Flag question

### Question text

Which is not part of a request

Select one:



HTTP Verb



Header



**Request Code**



Path to resource

## Question 18

Not yet answered

Marked out of 1.00



Flag question

### Question text

Which HTTP Verb is used to remove a specific resource by id

Select one:



**DELETE**



GET



PUT



POST

## Question 19

Not yet answered

Marked out of 1.00



Flag question

### Question text

Database for each service in a microservice is independent

Select one:



True



**False**

## Question 20

Not yet answered

Marked out of 1.00



Flag question

### Question text

We will not be able to deploy microservices independently

Select one:



True



False



If the margin property of css has values as in - margin: 10px 5px 15px 20px; which of the following order of margins do they represent ?

Select one:

- ☐ left-right-top-bottom
- ☒ **top-right-bottom-left**
- ☐ top-bottom-left-right
- ☐ top-bottom-right-left

## Question 2

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Network device needs \_\_\_\_\_ to communicate with another Netowrk device

Select one:

- ☐ Encryption
- ☐ NAC address
- ☐ Data address
- ☒ **IP address**

## Question 3

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Port numbers range from

Select one:

- ☐ 1- 1024
- ☐ 1024-65635
- ☐ 1- 20000
- ☒ **1-65535**

## Question 4

Not yet answered  
Marked out of 1.00



Flag question

### Question text

The technology evolved from pervasive computing

Select one:

- ☐ IOT
- ☐ Microprocessor
- ☐ IIOT
- ☐ Sensors

## Question 5

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which of the programming language below is used to develop application development for iOS?

Select one:

- ☐ Both
- ☐ Swift
- ☐ Objective-C

## Question 6

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which refers to the IS (Infrastructure) that provides reliable wireless communication?

Select one:

- ☐ Mobile Hardware
- ☐ Mobile Software
- ☐ Mobile communication

## Question 7

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Network applications need \_\_\_\_\_ to communicate with another network application

Select one:

- ☐ encryption



- ☐ Network Ports
- ☐ Authentication
- ☐ decryption

## Question 8

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Choose the correct code snippet that is required in a web page to make it a responsible web page.

Select one:

- ☐ `<head>`  
  
`<meta name="viewport" content="width=device-width, initial-scale=1">`  
  
`</head>`
- ☐ `<title>`  
  
`<meta name="viewport" content="width=device-width, initial-scale=1">`  
  
`</title>`
- ☐ `<head>`  
  
`<media name="viewport" content="width=device-width, initial-scale=1">`  
  
`</head>`
- ☐ `<style>`  
  
`<media name="viewport" content="width=device-width, initial-scale=1">`  
  
`</style>`
- ☐ `<style>`  
  
`<meta name="viewport" content="width=device-width, initial-scale=1">`  
  
`</style>`

## Question 9

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Choose the areas that we can check using media queries ?

Select one or more:

- ☐ Resolution
- ☐ Width and height of the device
- ☐ Orientation
- ☐ Width and height of the viewport

## Question 10

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which of the following is a process to check the correctness of an user interface?

Select one:

- ☐ UI Design
- ☐ UI Analysis
- ☐ UI Implementation
- ☐ **UI Validation**

## Question 11

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Digital data in RFID tags are captured by gamma waves

Select one:

- ☐ True
- ☐ **False**

## Question 12

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Fabric is a tool used to develop Android applications

Select one:

- ☐ **True**

☐ False

## Question 13

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Non Repudiation identifies what activities are performed

Select one:

☐ **True**

☐ False

## Question 14

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

The class name for certain components in an HTML file is "info". Which of the following will help us to select all the components that belong to the "info" class for applying the same styles?

Select one:

☐ \$info

☐ \*info

☐ .info

☐ #info

## Question 15

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Expand AIDC

Select one:

☐ Automatic Identification and Data Collection

☐ Automatic Identifier and Data Capture

☐ Automatic Identification and Data Control

☐ **Automatic Identification and Data Capture**

## Question 16

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which of these are tools used to develop IOS mobile applications

Select one or more:

- ☐ **Applyzer**
- ☐ **XCODE**
- ☐ **AppCode**
- ☐ **RxSwift**

## Question 17

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which of the following rules are CSS-based rules for device-specific user experience and helps to customize styles to categories of media, screen dimensions, or both?

Select one:

- ☐ Framework rules
- ☐ Flexible images
- ☐ **@media rules**
- ☐ Fluid grid layout rules

## Question 18

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which tag must be included in the head of a document if that web page is optimized for a variety of devices?

Select one:

- ☐ **Meta viewport tag**
- ☐ Style tag
- ☐ Script tag



Title tag

## Question 19

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Which of the following is an approach for creating a website (or web interface) that adapts to various browser/device dimensions?

Select one:



Static Web Page Design



Dynamic Web Design



**Responsive Web Design**



Relative Web Design

## Question 20

Not yet answered  
Marked out of 1.00



Flag question

### Question text

\_\_\_\_\_ protocol provides facility for error checking

Select one:



**TCP**



HTTP



IP



UDP



## Question 2

Not yet answered  
Marked out of 1.00



Flag question

### Question text

The total database content is viewed as a/an \_\_\_\_\_.

Select one:



External view



**Conceptual view**



Internal view



Physical view

## Question 3

Not yet answered  
Marked out of 1.00



Flag question

### Question text

ER Diagram – To Design a schema to record information about the reality shows on Television. Refer the image From the given ER diagram identify the relationship between the Television and Reality\_shows.

Select one:



**one to one**



one to many



many to one



many to many

## Question 4

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Cardinality is termed as \_\_\_\_\_, in relational model.

Select one:



number of constraints



**number of tuples**

☐ number of tables

☐ number of attributes

## Question 5

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Consider the ER diagram given below and identify the relationship between a Supplier and an Item Refer the image

Select one:

☐ one to one

☐ one to many

☐ many to one

☒ many to many

## Question 6

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Define the relationship between a Teacher table and a Class table.

Select one:

☐ Many classes may have many teachers

☐ One Class may have many Teachers

☐ Many teachers may have many classes

☒ One Teacher can take for many Classes

## Question 7

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

In Relational algebra Cartesian product is said to be a \_\_\_\_\_.

Select one:

- ☐ binary operator
- ☐ unary operator
- ☐ none of these
- ☐ ternary operator

### Question 8

Not yet answered  
Marked out of 1.00

☐ Flag question

#### Question text

Relational Calculus is said to be a \_\_\_\_\_.

Select one:

- ☐ High-level language
- ☐ Non Procedural language
- ☐ **Procedural language**
- ☐ Data definition language

### Question 9

Not yet answered  
Marked out of 1.00

☐ Flag question

#### Question text

If there are no sufficient attributes to form a primary key then the entity set is said to be a \_\_\_\_\_.

Select one:

- ☐ primary entity set
- ☐ simple entity set
- ☐ **weak entity set**
- ☐ strong entity set

### Question 10

Not yet answered  
Marked out of 1.00

☐ Flag question

#### Question text

Instance is the memory structure and background process used to interact with the Database and each database should have at least one instance. State True or False.

Select one:





True



False

## Question 11

Not yet answered  
Marked out of 1.00



Flag question

### Question text

\_\_\_\_\_ is a minimal set of attributes in a table that uniquely identifies tuples in the table.

Select one:



Composite key



**Primary key**



Foreign key

## Question 12

Not yet answered  
Marked out of 1.00



Flag question

### Question text

\_\_\_\_\_ constraints are set of rules that define legal values for columns. Sometimes to completely define the legal values, more than one rule is required for a column.

Select one:



Mapping



Key



**Domain**

## Question 13

Not yet answered  
Marked out of 1.00



Flag question

### Question text

A key that has more than one attributes is known as a \_\_\_\_\_. It is also said to be a compound key.

Select one:



**Composite key**



Primary key

☐ Foreign key

## Question 14

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

If a functional dependency is indirectly formed by two functional dependency, it is said to be \_\_\_\_\_ dependency.

Select one:

☐ Multivalued

☒ **Transitive**

☐ Full Functional

☐ Partial

## Question 15

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

\_\_\_\_\_ dependency happens when you cannot remove items from the first set and maintain a functional dependency.

Select one:

☐ Partial

☐ Transitive

☐ Multivalued

☒ **Full Functional**

## Question 16

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

The process of choosing a suitable access plan or execution plan for processing a query is known as \_\_\_\_\_.

Select one:

☐ Index statistics

☐ Query Analyzer

☐ **Query Optimization**

## Question 17

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Transformation from one query language to another one using semantic properties is said to be \_\_\_\_\_.

Select one:

☐ cost estimation

☐ Selecting query execution plans

☐ **Query rewriting**

## Question 18

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

\_\_\_\_\_ isolation level is said to be lowest isolation level. This level allows dirty reads and transactions are not isolated from each other.

Select one:

☐ Read committed

☐ **Read uncommitted**

☐ Serializable

☐ Repeatable Read

## Question 19

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

In \_\_\_\_\_ mode, other transactions will not share the associated resources, because this mode is used when modifying the resources.

Select one:

☐ **Exclusive lock**

☐ Shared lock

## Question 20

Not yet answered  
Marked out of 1.00



Flag question

### Question text

There are lots of chances for a conflict, when more than one transactions are running simultaneously which can leads the database to an inconsistent state. To handle these conflicts we need \_\_\_\_\_ in DBMS.

Select one:



**Concurrency Control**



Deadlocks



Locking Modes



Timestamp

## Question 1

Not yet answered  
Marked out of 1.00



Flag question

### Question text

When there are data, access control based on the roles the user plays is done by

Select one:



**RBAC**



Session Key



Non Repudiation



Data integrity

## Question 2

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Cipher Text to Plain text conversion is called

Select one:



Steganography



**Decryption**



Brute Force



Hashing

## Question 3

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Plain text to cipher text conversion is called

Select one:



Steganography



Brute Force



**Encryption**



Hashing

## Question 4

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

applications must manage sessions to track status of the user during the session. This is managed using

Select one:

- ☐ Authorization
- ☒ **Session Key**
- ☐ IAM
- ☐ Authentication

## Question 5

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

\_\_\_\_\_ sets the permissions and controls to access the resources

Select one:

- ☐ Roles
- ☐ groups
- ☐ users
- ☒ **IAM Policy**

## Question 6

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

\_\_\_\_\_ is used to encrypt or decrypt messages

Select one:

- ☒ **Secret Key**
- ☐ Hashing
- ☐ Steganography



## Brute Force

### Question 7

Not yet answered  
Marked out of 1.00



Flag question

#### Question text

Symmetric encryption uses 2 keys of same type and algorithm that are more similar

Select one:



True



**False**

### Question 8

Not yet answered  
Marked out of 1.00



Flag question

#### Question text

An IAM policy sets permission and controls access to resources.

Select one:



True



**False**

### Question 9

Not yet answered  
Marked out of 1.00



Flag question

#### Question text

symmetric encryption is computationly fast

Select one:



True



**False**

### Question 10

Not yet answered  
Marked out of 1.00



Flag question

#### Question text

Permissions applied to the group are applied to invidual users in the group

Select one:



True



False

## Question 11

Not yet answered  
Marked out of 1.00



Flag question

### Question text

The use of mathematical algorithms to transform data into a shape that is not easily understood is \_\_\_\_\_

Select one:



Access Control



Locks



**Encipherment**



Filters

## Question 12

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Preventing unauthorized used of resource is done using \_\_\_\_\_

Select one:



Monitors



Deadlocks



Locks



**Access Control**

## Question 13

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Science of breaking codes and decoding secrets is \_\_\_\_\_

Select one:



- ☐ decipher
- ☒ cryptanalysis
- ☐ encipher
- ☐ cryptography

## Question 14

Not yet answered  
Marked out of 1.00

☒ Flag question

### Question text

The method of transforming a given key into another value is \_\_\_\_

Select one:

- ☐ Transformation
- ☐ Binomial
- ☒ Hashing
- ☐ Encryption

## Question 15

Not yet answered  
Marked out of 1.00

☒ Flag question

### Question text

\_\_\_\_\_ is a technique for concealing data inside other files

Select one:

- ☐ Stenography
- ☒ steganography
- ☐ encipher
- ☐ Decipher

## Question 16

Not yet answered  
Marked out of 1.00

☒ Flag question

### Question text

Which is not part of an encryption scheme

Select one:

- ☒ **Public key**
- ☒ Cipher text
- ☒ Plain text
- ☒ Secret key

## Question 17

Not yet answered  
Marked out of 1.00

☒ Flag question

Question text

\_\_\_\_\_ requires trying every key before an understandable translation of the ciphertext into plaintext is obtained

Select one:

- ☒ All Keys
- ☒ Spam Attack
- ☒ **Brute Force Attack**
- ☒ Worm Attack

## Question 18

Not yet answered  
Marked out of 1.00

☒ Flag question

Question text

\_\_\_\_\_ is the protection of data from unauthorized disclosure

Select one:

- ☒ **Data confidentiality**
- ☒ Access Monitor
- ☒ Locks
- ☒ Access Control

## Question 19

Not yet answered  
Marked out of 1.00

☒ Flag question

Question text

Block cipher transforms plain text to cipher text by adding a block of plain text at a time

Select one:



True



False

## Question 20

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Spam is any kind of unwanted online communication

Select one:



True



False

## Question 1

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Choose a testing activity that is performed to expose defects in the interfaces and in the interaction between integrated components?

Select one:



Unit level Testing



**Integration level Testing**



Component Testing



System level Testing

## Question 2

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Which type of VPC will have all the components gets created and associated?

Select one:



Non-Default VPC



**Default VPC**



Peering VPC



Custom VPC

## Question 3

Not yet answered  
Marked out of 1.00



Flag question

### Question text

The primary location of source code in the repository is called

Select one:



Branch



home



**Main**



Working set

## Question 4

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

What is a working copy?

Select one:

- ☐ Repository in the source control system
- ☐ None of the above
- ☒ **Snapshot of the repository**
- ☐ An application created in local system

## Question 5

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which component is used to communicate with internet in AWS Cloud?

Select one:

- ☐ VPG
- ☐ VPC
- ☒ **Internet Gateway**
- ☐ Router

## Question 6

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Which of the below services check the application health?

Select one:

- ☐ Local health check
- ☐ Anamoly detection
- ☒ **Dependency health check**
- ☐ Liveness check

## Question 7

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Which component does the health check of an instances?

Select one:



EC2 instance



Load Balancer



Auto Scaling Group



**Route 53**

## Question 8

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Select the testing technique that examines the basic program structure and ensures that all statements and conditions are executed at least once. Choose all the options that apply.

Select one or more:



**White box Testing**



**Black box Testing**



**Gray Box Testing**



Closed Box Testing

## Question 9

Not yet answered  
Marked out of 1.00



Flag question

### Question text

True or False, Source control system automatically allocates revision number

Select one:



**True**



False

## Question 10

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Can an ENI have multiple secondary IP addresses?

Select one:



**True**



False

## Question 11

Not yet answered

Marked out of 1.00



Flag question

### Question text

Choose the correct option

Statement 1: All Unit Test cases should be independent.

Statement 2: Even If there is any change in requirements, unit test cases should not be affected

Select one:



Only Statement 2 is correct



Both Statement 1 and Statement 2 are incorrect



**Both Statement 1 and Statement 2 are correct**



Only Statement 1 is correct

## Question 12

Not yet answered

Marked out of 1.00



Flag question

### Question text

Identify the automated tools available to assist with Unit Testing. Choose all that apply

Select one or more:



Jvisio



Jumbrello



**Jmockit**



Junit

## Question 13

Not yet answered

Marked out of 1.00



Flag question

### Question text

Identify the two sub-activities involved in envisioning process

Select one or more:

- ☐ Initial Refactoring envisioning
- ☒ **Initial Requirements Envisioning**
- ☐ Final Architectural envisioning
- ☒ **Initial Architectural envisioning**

## Question 14

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

In software development approach, TDD stands for

Select one:

- ☐ Test Development Driven
- ☒ **Test Driven Development**
- ☐ Technical Driven Document
- ☐ Test Design Development

## Question 15

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

In which of the following Unit Testing techniques, the test suites, test methods and test cases are executed with some knowledge of the code.

Select one:

- ☒ **Grey Box Testing**
- ☐ White box Testing
- ☐ Smoke Testing
- ☐ Black Box Testing

## Question 16

Not yet answered  
Marked out of 1.00

☐ Flag question



### Question text

Select the two types of TDD

Select one or more:

- ☐ Integration TDD
- ☒ **Acceptance TDD**
- ☐ System TDD
- ☒ **Developer TDD**

## Question 17

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

\_\_\_\_\_ is a Testing strategy in which the lower level modules are tested first and then facilitate the testing of higher level modules.

Select one:

- ☒ **Bottom up Integration Testing**
- ☐ Hybrid Integration Testing
- ☐ Top down Integration Testing
- ☐ Sandwich Integration Testing

## Question 18

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Envisioning is the process of identifying the tests which is performed during the first week of the project. State True or False

Select one:

- ☒ **True**
- ☐ False

## Question 19

Not yet answered  
Marked out of 1.00

☐ Flag question

### Question text

Refactoring is the process of changing/adding some amount of code to the existing code without affecting the behavior of the code. State True or False.

Select one:



True



False

## Question 20

Not yet answered

Marked out of 1.00



Flag question

### Question text

Top down Integration testing is a strategy in which lower modules are integrated with top modules and tested as a system.

Select one:



True



False

## Quiz 1 Set 2

### Question 1

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

Which of the following represent the software architecture style

Select one:

- ☐ Layered
- ☒ All of the mentioned
- ☐ Microservice
- ☐ Client/server

### Question 2

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

Go-Will department store wants to automate few of its functionalities. From the given options, identify the functional requirements of Go-Will department store

Select one or more:

- ☒ Generate Bill for the purchased Items
- ☐ Response for each button click should be within 3 seconds
- ☒ Add Product Details
- ☐ System should be up and running 24/7

### Question 3

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Which of the given options best suits the given statement:  
John is withdrawing an amount more than the actual balance that he has in his account.

Select one:

- ☐ Postive Scenario
- ☒ Negative Scenario
- ☐ Test data
- ☐ Test plan

### Question 4

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Execution of test cases along with the test data happens in which phase of STLC?

Select one:

- ☐ Test Design
- ☐ Test plan
- ☐ Test Analysis
- ☒ Test Execution

### Question 5

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Inputs, preconditions, and the expected output are part of

Select one:

- ☐ Test Data
- ☐ Test Report
- ☒ Test Case
- ☐ Test Scenario

## Question 6

Not yet answered  
Marked out of 1.00

Flag question

### Question text

In an online shopping portal, for customer registration the password field can accept only characters in the range of 5 to 25. Derive test cases using Boundary value analysis

Select one:

- ☐ 6,24,10,7,25
- ☐ 5,25,6,7,24
- ☐ 5,25,26,7,3
- ☒ 5,25,4,7,26

## Question 7

Not yet answered  
Marked out of 1.00

Flag question

### Question text

In the student mark processing system, the HOD wants an analytics report of the student's performance, department wise. On clicking the Report icon, the analytics should be displayed in 2 seconds. Which testing should be done under this scenario

Select one:

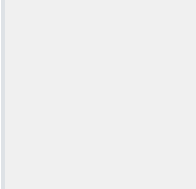
- ☒ Regression Testing
- ☐ Performance Testing
- ☐ Usability Testing



## Stress Testing

### Question 8

Not yet answered  
Marked out of 1.00



Flag question

#### Question text

Which model focuses more on customer satisfaction through frequent releases that works both incrementally and iteratively?

Select one:



Incremental model



Prototype



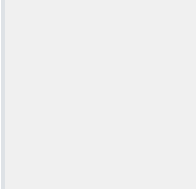
Agile



Waterfall model

### Question 9

Not yet answered  
Marked out of 1.00



Flag question

#### Question text

Global technologies has taken up the project for automation of all activities of ABC Bank. The project is in the design phase. Which of the following will be considered in this phase ?

Select one or more:



Architecture



Cost and Time



Interface



Design the table

### Question 10

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Software Architecture is concerned more about the design of how software processes cooperate to perform their tasks

Select one:



True



False

## Quiz 2

### Question 1

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Which of the following options are correct regarding docker?

Select one or more:



Docker containers are not portable



Ten single virtual machines are required for running ten docker containers



Dockers containers can run microservice applications



Allows to wrangle dependencies starting from the operating system

### Question 2

Not yet answered  
Marked out of 1.00

Flag question

### Question text

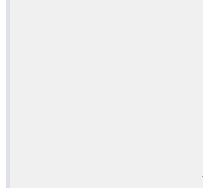
What is JSON Stands for?

Select one:

- ☐ JavaScript Object Naming
- ☐ JavaScript Object Notification
- ☒ JavaScript Object Notation
- ☐ JavaScript Object Number

### Question 3

Not yet answered  
Marked out of 1.00



Flag question

### Question text

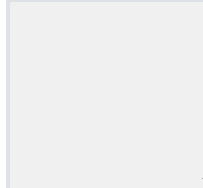
The elasticity and the flexibility in the Cloud are built on the foundation of

Select one:

- ☐ Operating system
- ☒ Virtualization
- ☐ Standardization
- ☐ Traditional IT

### Question 4

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Which of the following architectural standards is working with cloud computing ?

Select one:

- ☐ All of the mentioned
- ☒ Service-oriented architecture
- ☐ Standardized Web services





## Web-application frameworks

### Question 5

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

Which of the following are not the principles of Microservices?

Select one:



Domain Driven Design



Well defined scope



Inter service communication



Common Database

### Question 6

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

Which of the following DevOps principles prevent bad code from getting deployed?

Select one:



Automation



Incremental release



Continuous Integration



Continuous Delivery

### Question 7

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Which of the following is referred to as the backbone for the entire network in bus topology?

Select one:

- ☐ Nodes
- ☐ Drop lines
- ☒ Main Cable
- ☐ Server

### Question 8

Not yet answered  
Marked out of 1.00

Flag question

### Question text

The Answer  is the point at which a build is ready for deployment into the production.

### Question 9

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Event Driven Architecture is tightly coupled.

Select one:

- ☐ True
- ☒ False

### Question 10

Not yet answered

Marked out of 1.00

Flag question

### Question text

Domain will be divided into subdomains and each subdomain will be focused individually as a part of Microservices.

Select one:



True



False

## Quiz 3

### Question 1

Not yet answered  
Marked out of 1.00

Flag question

### Question text

In my web page there is a field 'User Name' which can take only alphabets, both small and capital and digits and an underscore. It should have a minimum of 6 characters and a maximum of 8 characters. Choose which tag is appropriate for this requirement.

Select one or more:



`<input type="text" pattern="\w]{6,8}" />`



`<input type="text" pattern="[A-Za-z0-9]{6,8}" />`



`<input type="text" pattern="[A-Za-z0-9_]{6,8}" />`



`<input type="text" pattern="^[^w]{6,8}" />`

### Question 2

Not yet answered  
Marked out of 1.00

Flag question

### Question text

default Port number of HTTPS protocol, which ensures secure transmission is

Select one:

- ☐ 443
- ☒ 80
- ☐ 8080
- ☐ 9443

### Question 3

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Default Port number of http protocol, which is not secure is

Select one:

- ☒ 80
- ☐ 883
- ☐ 443
- ☐ 8080

### Question 4

Not yet answered  
Marked out of 1.00

Flag question

### Question text

The functions of a device or its software to change depending on where it was used is called

Select one:

- ☐ Context Computing
- ☐ Context aware computing
- ☒ Context Aware



None of the above

## Question 5

Not yet answered  
Marked out of 1.00

Flag question

### Question text

What are the common languages that are used in Android Studio?

Select one or more:



C#



Swift



Kotlin



Java

## Question 6

Not yet answered  
Marked out of 1.00

Flag question

### Question text

What is the latest version of Xcode available?

Select one:



9



10



12



11

## Question 7

Not yet answered  
Marked out of 1.00

Flag question

### Question text

The process of identifying a user as a valid user is

Select one:

- ☐ Non Repudiation
- ☒ Authentication
- ☐ Authorization
- ☐ Encryption

### Question 8

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Choose the frame work that helps us to perform Responsive Web Design.

Select one:

- ☒ Bootstrap
- ☐ jQuery
- ☐ HTML
- ☐ CSS3

### Question 9

Not yet answered  
Marked out of 1.00

Flag question

### Question text

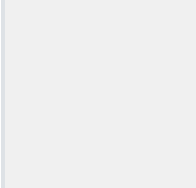
Which of the following must be included in the head of the web page that is optimized for variety of devices?

Select one:

- ☒ @media tag
- ☐ Title tag
- ☐ Meta viewport tag
- ☐ Style tag

## Question 10

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Name the analysis that considers the temperature and pressure restrictions?

Select one:

- ☒ Environment Analysis
- ☐ Climate analysis
- ☐ Task analysis
- ☐ User analysis

[Previous page](#)

## Question 1

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which one of the following statements is correct in P2P architecture?  
Select one:

**Centralized architecture is eliminated.**

For resource sharing among all nodes, there is a need for a separate server.

Less reliable

Not easy to setup and install

## Question 2

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which model was used during the early stages of software engineering, to estimate prototyping projects and projects with extensive reuse components ?  
Select one:

Early design model

**Application composition model**

Post architecture stage model

## Question 3

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Allen Software Company has designed an application for Alph Client. The application is designed in such a way that the normal students can take a test and submit the exam but for the visually impaired students the application converts their voice to text and then submits the exam. Which non functional testing should be done in this scenario?

Select one:

Performance testing

Regression testing

Stress testing

**Usability testing**

## Question 4



Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Ram is allocated the task of completing the sprint task of credit card validation. In which phase of the Risk Management process it is ensured that the resource is well trained and can handle the sprint task independently.

Select one:

**Risk Identification**

Risk Projection

Risk Assessment

Risk Mitigation

## Question 5

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

When changes are made to a software / product, the impact of the change needs to be reflected in all related components. Which activity of software configuration management is responsible for this scenario?

Select one:

Configuration Status Report

**Change control**

Configuration Auditing

Configuration identification

## Question 6

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which estimation technique uses empirically derived formulas based on the data from past projects that compute the estimate based on the software size(FP) ?

Select one:

**Empirical Estimation**

Automated Estimation

Decomposition technique

## Question 7

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Identify which of the below statements are true about Functional Independence.

Select one:

Enhancing a code is complex.

Difficult to understand the code.

**Reuse of the module in any other project is possible**

Not easy to locate faults

## Question 8

Not yet answered

Marked out of 1.00

Flag question

### Question text

In \_\_\_\_\_ coupling, the complete data structure is passed from one module to another module. But the called module operates on only some of the individual components.

Select one:

Content

Data

**Stamp**

Common

## Question 9

Not yet answered

Marked out of 1.00

Flag question

### Question text

The goal of the design is to divide the system into modules and assign responsibilities among the components so that they have \_\_\_\_\_ cohesion and \_\_\_\_\_ coupling between modules.

Select one:

Loose, Loose

Loose, High

**High, Loose**

High, High

## Question 10

Not yet answered

Marked out of 1.00

Flag question

### Question text

\_\_\_\_\_ is implemented in java as packages.

Select one:

- Encapsulation
- Polymorphism
- Modularity**
- Inheritance

## Question 1

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which of the following helps to determine inter and intra relationship between the services?

Select one:

- Domain Driven Design
- Well defined scope
- Decentralized database
- Cohesion and Coupling**

## Question 2

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which of the following cache strategies results in a cache miss if the information is requested for the first time?

Select one:

- Read-Through**
- Cache Aside
- Write Back
- Write-Through

## Question 3

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which of the following DevOps phases uses Infrastructure-as-code to build the production environment?

Select one:

Operate  
Code  
Build  
**Deploy**

## Question 4

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

If the cohesion between the services are high then which of the following is correct?

Select one:

**Communication between the services are does not have any impact**

Communication between the services are high

Communication between the services are low

None of these

## Question 5

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

What is the Category of 4XX HTTP Codes belongs to?

Select one:

**Client Error**

Informational

Success

Server Error

## Question 6

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

\_\_\_\_\_ refers to the ability of an administrator to load a service file onto a host system that establishes how to run a specific container.

Select one:

Auto-scaling

Configuring

Load balancing

**Scheduling**

## Question 7

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

How many types of service models are familiar in Cloud?  
Select one:

- 1
- 3**
- 2
- 4

## Question 8

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which concept aligns business and IT assets, helps provide flexible IT capacity, and provides real time allocation of IT resources in line with demand from business processes?

Select one:

- dynamic infrastructure**
- elasticity
- virtualization
- automated management of resources

## Question 9

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Docker is designed to benefit only system administrators.

Select one:

- True
- False**

## Question 10

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

With Continuous delivery, everyone works continuously and in parallel.  
Select one:

- True**
- False

## Question 1

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which of the options is true about <!DOCTYPE> ?  
Select one:

- It gives information to the browser about the expected document type
- It gives instruction to the web browser about the HTML version**
- It creates the web page using HTML document
- It helps display a web page as single page in a browser

## Question 2

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Example for biometric authentication  
Select one:

- Certificate based authentication
- Password based
- Fingerprint**
- Token based

## Question 3

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

The process of granting necessary privileges to a valid user is  
Select one:

- Authorization**
- Non Repudiation
- Encryption
- Authentication

## Question 4

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Widely used International RFID Standards.  
Select one:

- IEEE
- NIST
- ISO**
- IEC

## Question 5

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

RFID short range application area is called as.  
Select one:

- Short range
- Short loop
- Vicinity
- Proximity**

## Question 6

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

More reliable communication protocol  
Select one:

- TCP**
- UDP

## Question 7

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which of the following viewport properties determine whether the display can be zoomed in and out?

Select one:

- adjust-scale
- scale
- user-scalable**
- Set-scale

## Question 8

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Based upon the characteristics of the accessing device, which of the following allows the gathering of information and then this information is applied to CSS styles ?

Select one:

- Flexible layout
- Meta viewport
- Flexible images
- Media queries**

## Question 9

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Choose the name of a UI implementation tool?

Select one:

- Fluid**
- Eclipse
- Sublime text
- Anaconda

## Question 10

Not yet answered  
Marked out of 1.00  
Flag question

### Question text



Emulator is the virtual image of the mobile which helps in deploying and testing the developed mobile application.

Select one:

True

False

## Question 1

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Consider a table called Teacher with the attributes teachName, Gender, DOB, subHandles, schName, and schLocation. Assume that Teacher is in 1NF. Answer the following questions;

a. Assume that there are a set of functional dependencies in Teacher table.

If (teachName , DOB) is the key for Teacher table, then the Teacher table is

in 2NF? -

NO

b. If teachName is the key for Teacher table, then the Teacher table is in

2NF? -

YES

c. (teachName , DOB) is the key for Teacher, all the other attributes depend

on the whole key, and only other FD is "schName determines the

schLocation uniquely". Is Teacher table is in 2NF? -

blank

d. (teachName , DOB) combination is the key for Teacher table, all the other

attributes depend on the whole key, and only other FD is "schName

determines the schLocation uniquely". Is Teacher table is in 3NF? -

blank

e. Assume a set of FDs in Teacher, and it is found that teachName is the key. If teachName is the key for Teacher table, is Teacher table is in 3NF? -

YES

Cannot Determine

YES

Cannot Determine

NO

## Question 2

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Drag and Drop the correct answer:

An attribute with a single atomic value is named as a

**Single-Valued**

attribute.

Simple

Complex

Single-Valued

Derived

## Question 3

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

A/an

DB

can reduce disk I/O by using a rapid path access method to locate data quickly. Drag and drop the correct answer.

## Question 4

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

To change a deadlock state to a stable state use the \_\_\_\_\_ statement.

Select one:

savepoint

deadloc

commit

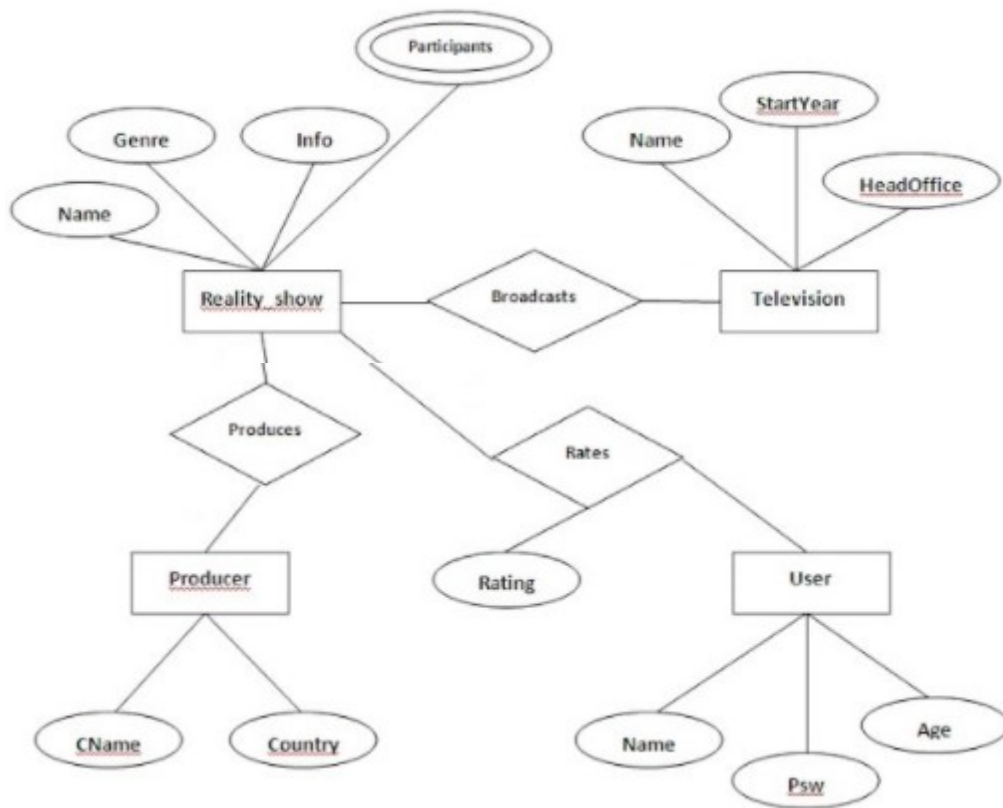
**rollback**

## Question 5

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

ER Diagram - To Design a schema to record information about the reality shows on Television. Refer the image From the given ER diagram identify the relationship between the Reality\_show and the User.



Select one:

- many to one
- one to one
- many to many**
- one to many

## Question 6

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Choose the non-ACID property of transaction from the given options,  
Select one:

- Atomicity
- Consistency
- Durability
- Interdependency**

## Question 7

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Tables in second normal form (2NF):  
Select one:

Remove all the hidden dependencies

**Contain all non key fields depending on the full primary key**

Contain a composite key

Remove the possibilities of insert anomaly

## Question 8

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Referential integrity constraint can be done using a  
Select one:

primary key

secondary key

composite key

**foreign key**

## Question 9

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which command ends the current transaction by making all pending data changes permanent?

Select one:

revoke

grant

**commit**

rollback

## Question 10

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

A transaction should end with either commit or rollback. State True or False.

Select one:

**True**

False

## Question 1

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

The process of verifying the identity of an user or entity is called as  
Select one:

**Authentication**

Authorization

RBAC

Identification

## Question 2

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Input message of any length and get a fixed length digest value is an example for

Select one:

Steganography

decryption

encryption

**Hashing**

## Question 3

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

The \_\_\_\_\_ attack will alter the content of the message that transferred across network.

Select one:

Phishing

SPAM

**Active security**

Passive security

## Question 4

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

The security term that provides privacy between the sender and the receiver is

Select one:

- Message Integrity
- Authentication
- Message confidentiality**
- Authorization

## Question 5

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

The security control that have more control over the resources is

Select one:

- RBAC**
- User Validation
- Identification
- Authentication

## Question 6

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

DES encryption is an example for

Select one:

- Stream cipher
- Brute Force
- Block cipher**
- Steganography

## Question 7

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

The method that ensures the action performed by the sender is

Select one:

- Integrity
- Authentication

**Nonrepudiation**  
Confidentiality

## Question 8

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Message digest cannot be decrypted

Select one:

**True**

False

## Question 9

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Eavesdropping is an example of Man in the middle attack

Select one:

**True**

False

## Question 10

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Message digest ensures the data confidentiality

Select one:

True

**False**

## Question 1

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

From the following select the types of black box testing technique. Choose all the options that apply

Select one or more:

**Equivalence partitioning**

Data flow testing

**Boundary value analysis**

Path testing

## Question 2

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

From the following select the types of white box testing technique. Choose all the options that apply

Select one or more:

Boundary value analysis

Equivalence partitioning

**Path testing**

**Data flow testing**

## Question 3

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which of the following requires a custom CloudWatch metric to monitor?

Select one:

**Memory Utilization of an EC2 instance**

Data transfer of an EC2 instance

CPU Utilization of an EC2 instance

Disk usage activity of an EC2 instance

## Question 4

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Amazon service used for recording APIs ?

Select one:

Athena



ElasticSearch  
**CloudTrail**  
CloudWatch

## Question 5

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

What operation is used to view the details of the modifications or changes made?

Select one:

Check in  
**Diff**  
Sync  
Check out

## Question 6

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which Route Table used for communication between instances within VPC?

Select one:

**Default Route Table**  
Internet Route Table  
Main Route Table  
Custom Route Table

## Question 7

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

What operation synchronizes the working copy with the latest version of the repository?

Select one:

**Update/sync**  
Merge  
Pull request  
Check in

## Question 8

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which of the following VPC component determines where the network traffic should be directed?

Select one:

- Subnet
- EC2 Instance
- Gateway
- Route Table**

## Question 9

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Answer

**Branch**

is an operation of creating another line of development.

## Question 10

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Batch processing instances are located in public subnet in AWS Cloud

Select one:

- True
- False**

## Recap Quiz Set 5

### 1. Recap Quiz 1

Question 1  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Which one of the following is an advantage of a ESB?  
Select one:  
Maintainability  
Service re-usability  
**All the mentioned above**  
Fault tolerance

Question 2  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Which one of the following is correct with respect to ESB Architecture?  
Select one:  
**All the mentioned above**  
ESB is at the heart of SOA  
ESB interconnects requestor and provider  
ESB provides Service Virtualization

Question 3  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Identify the type of cohesion depicted in the given code snippet.  

```
public class Currency {  
    public double convertCurrency(String fromCurrency, String toCurrency)  
    {  
        //some code  
    }  
}
```

  
Select one:  
Logical Cohesion  
Control Cohesion  
Coincidental Cohesion  
**Functional Cohesion**

Question 4  
Not yet answered  
Marked out of 1.00  
Flag question

Question text

Identify the type of cohesion depicted in the given code snippet.

```
public class Utility
{
    public void parseProductDetails() {....}
    public void employeeAppraisal() {....}
    public void generateBalanceSheet() {....}
    public boolean validateEmployeeDetails(employeeDetails) {....}
}
```

Select one:

**Coincidental Cohesion**

Logical Cohesion

Control Cohesion

Functional Cohesion

Question 5

Not yet answered

Marked out of 1.00

Flag question

Question text

Identify the type of coupling present in the given code snippet.

```
public void generateProgressCard(Student studentObj) {
    char grade = calculateGrade(studentObj.getMarks());
    print(all marks);
    print(grade);
}
```

Select one:

Data Coupling

Control Coupling

Common Coupling

**Stamp Coupling**

Question 6

Not yet answered

Marked out of 1.00

Flag question

Question text

Identify the type of coupling present in the given code snippet.

```
public void generateProgressCard(int marks[]) {
    char grade = calculateGrade(marks);
    print(marks);
    print(grade);
}
```

Select one:

**Data Coupling**

Stamp Coupling

Common Coupling

Control Coupling

Question 7

Not yet answered

Marked out of 1.00

Flag question

Question text

Identify the type of cohesion depicted in the given code snippet.

```
public class StudentUtility
```

```
{  
    public void calculateGrade(int marks[])  
    {  
        int total = calculateTotal(marks);  
        float averge = calcuateAverage(total,noOfSubjects);  
        char grade = calculateGrade(average);  
    }  
}
```

Select one:

- Sequential Cohesion**
- Functional Cohesion
- Coincidental Cohesion
- Logical Cohesion

#### Question 8

Not yet answered

Marked out of 1.00

Flag question

Question text

A Doctor plays the role of a professor when he takes class for the students and he becomes a surgeon when in the operation theatre of the hospital.

What OO concept is depicted in this example

Select one:

- Inheritance
- Polymorphism**
- Composition
- Aggregation

#### Question 9

Not yet answered

Marked out of 1.00

Flag question

Question text

Which of the following is not the property of an object?

Select one:

- state
- data member**
- identity
- functionality

#### Question 10

Not yet answered

Marked out of 1.00

Flag question

Question text

The child classes inherit the properties of the parent and cannot have any property on their own. State true or false.

Select one:

- True
- False**

Question 1  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Which of the following HTTP method should be idempotent in nature?  
Select one:

POST  
**PUT**  
READ  
CONCAT

Question 2  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Which of the following orchestration benefits kills containers that don't respond to health check?  
Select one:

Scheduling  
Load Balancing  
**Health monitoring**  
Traffic Routing

Question 3  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Which defines what kind of services the cloud is capable of providing and at what cost to the end-user.  
Select one:

**Service catalog**  
Service list  
None  
Azure

Question 4  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Independent deployment is effected by which of the following?  
Select one:

Monitoring  
**Coupling**  
Autoscaling  
Decentralize data

Question 5

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Debugging and fixing the issue is much easier with the help of  
Select one:

- Coupling
- Modularity**
- Autoscaling
- Decentralize data

Question 6

Not yet answered  
Marked out of 1.00  
Flag question

Question text

In which of the following models, client looks up the service registry for the location of available service instances?

Select one:

- Client side discovery model**
- Point-to-Point model
- Topics model
- Server side discovery model

Question 7

Not yet answered  
Marked out of 1.00  
Flag question

Question text

On-demand self-service is defined by the  
Select one:

- NIST**
- W2C
- IEEE
- IANA

Question 8

Not yet answered  
Marked out of 1.00  
Flag question

Question text

An

Answer

**Event** is any significant occurrence or change in state for system hardware or software.

Question 9

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Network topology locates faults and effectively allocates resources across the network.

Select one:

**True**

False

Question 10

Not yet answered

Marked out of 1.00

Flag question

Question text

Continuous Integration (CI) uses a centralized server.

Select one:

**True**

False

### Recap Quiz 3

Question 1

Not yet answered

Marked out of 1.00

Flag question

Question text

Consider the following code snippet:

```
<p class="change,color">This is a paragraph</p>
```

```
<style type="text/css">
```

```
.change,color { color: red; }
```

```
.change { color: blue; }
```

```
.color { color: green; }
```

```
</style>
```

What will be the output colour of the paragraph from the above lines of code?

Select one:



Red  
Green  
**None of the mentioned**  
Blue

Question 2  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Which code helps to repeat background image horizontally or vertically?  
Select one:

```
<style type="text/css">
```

```
body {
```

```
background-image: url("/examples/images/gradient.png");
```

```
background-repeat: repeat-10;
```

```
}
```

```
</style>  
<style type="text/css">
```

```
body {
```

```
background-image: url("/examples/images/gradient.png");
```

```
background-repeat: x;
```

```
}
```

```
</style>  
<style type="text/css">
```

```
body {
```

```
background-image: url("/examples/images/gradient.png");
```

```
background-repeat: repeat-x;
```

```
}
```

```
</style>  
<style type="text/css">
```

```
body {
```

```
background-image: url("/examples/images/gradient.png");
```

```
background: repeat-x;
```

```
}
```

```
</style>
```

Question 3  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
In HTML5, which of the following tags can be used for displaying the text in bold? Startprogram

Line 1: <strong> Bold means big and strong. </strong>  
Line 2: <b> Bold means big and strong. </b>  
Line 3: <big> Bold means big and strong. </big>  
Line 4: <bold> Bold means big and strong. </bold>

Select one:

- Line 2 and Line 4 only
- Line 1 and Line 2 only**
- Line 1, Line 2, Line 3 and Line 4
- Line 1, Line 2 and Line 3 only
- Line 3 and Line 2 only

#### Question 4

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Which refers to the IS (Infrastructure) that provides reliable wireless communication?

Select one:

- Mobile Software
- Mobile Hardware
- Mobile communication**

#### Question 5

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Presents information, which is selected considering some context to ease a choice.

Select one:

- Contextual Information
- Automatic Contextual
- Proximate Selection**
- Context-Triggered

#### Question 6

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Condensing a message into a irreversible fixed length string is called

Select one:

- encoding
- decryption
- encryption
- hashing**

#### Question 7

Not yet answered  
Marked out of 1.00  
Flag question

Question text

A physical or digital environment in which humans and technology-enabled systems interact with open, connected, coordinated and intelligent ecosystems.  
Select one:

- Sensors
- Smart IOT
- RFID
- Smart Space**

Question 8  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Main drawback of asymmetric encryption is  
Select one:

- Exchange of keys
- Non Repudiation
- Performance is slow**
- encryption is weak

Question 9  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
public key cryptography is a  
Select one:

- Asymmetric encryption**
- Symmetric encryption
- digital signature
- hashing

Question 10  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Which of the following is an accessibility issue, even though your web page is responsive?  
Select one:

- You can zoom the web content in the small resolution as well
- When hamburger menu is clicked, then focus is not moved to the newly displayed content , instead focus is moved to somewhere else**
- Image is viewable clearly without any loss even it is zoomed
- The content will be reflowed vertically as per your screen size when you try to zoom the web content

#### Recap Quiz 4

Question 1  
Not yet answered  
Marked out of 1.00  
Flag question

Question text

A data model describes how the

Logical

structure of a database is modeled. Drag and Drop the correct answer.

Implementation

Logical

Conceptual

Physical

Question 2

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Constraints ensure

blank

and

blank

of data in the database. Drag and Drop the correct answer.

Reliability

Redundancy

Correctness

Reuse

Question 3

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Set of values permitted for each attribute of a relation, is called as

blank

. Drag and Drop the correct answer.

Range

Set

Integrity

Domain

Question 4

Not yet answered  
Marked out of 1.00

Flag question

Question text

In traditional approach the information was stored in

blank

. Drag and drop the correct answer.

Flat files

Relational tables

Tables

Digital files

Question 5

Not yet answered

Marked out of 1.00

Flag question

Question text

Which of the following are data models?

Select one or more:

Network

Hierarchical

Conceptual

Relational

Question 6

Not yet answered

Marked out of 1.00

Flag question

Question text

Which in the following does not represent cardinality?

Select one:

Zero-to-Many

One-to-One

Many-to-Many

One-to-Many

Question 7

Not yet answered

Marked out of 1.00

Flag question

Question text

Consider the ER diagram given below and identify the relationship between an Order and an Item

Refer the image

Select one:

many to one

one to many

many to many

one to one

Question 8  
Not yet answered  
Marked out of 1.00  
Flag question

Question text

In most cases, the table is said to be fully normalized when all the non-key attribute in a relation is functionally dependent on primary key, which Stage of the following normalization, the relation will be in?

Select one:

- 2 NF
- 4 NF
- 1 NF
- 3 NF

Question 9  
Not yet answered  
Marked out of 1.00  
Flag question

Question text

Consider the given table structures employee (eid, ename, dno) dept(dno, dname, location) Which columns can be designated as primary key and foreign key in the emp and dept table ?

Select one or more:

- dno in employee table can be designated as foreign key
- eid from employee , dno from dept can be designated as foreign key
- eid from employee , dno from dept can be designated as primary key
- dno in both the tables can be designated as primary key

Question 10  
Not yet answered  
Marked out of 1.00  
Flag question

Question text

If we have not provided any default tablespace for the created user, the user will be put under the \_\_\_\_\_ tablespace.

Select one:

- SYSAUX
- SYSTEM
- USERS
- ADMIN

## Recap Quiz 5

Question 1  
Not yet answered  
Marked out of 1.00  
Flag question

Question text

What are the valid authentication methods

Select one or more:

- Password

Biometric  
Certificate  
decryption

Question 2  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
The IAM policy sets that defines permission and controls access to resources  
Select one or more:

Group Policy  
Inline Policy  
User Policy  
Managed Policy

Question 3  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Cipher Text to Plain text conversion is called  
Select one:

Hashing  
Steganography  
Decryption  
Brute Force

Question 4  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
The method that challenges the user with both unique ID with password and otp is called  
Select one:

Numeric Authentication  
Multifactor Authorization  
Multi Factor Authentication  
Token Authentication

Question 5  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Plain text to cipher text conversion is called  
Select one:

Encryption  
Steganography  
Hashing  
Brute Force



Question 6  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
\_\_\_\_\_ is used to encrypt or decrypt messages

Select one:

- Steganography
- Hashing
- Brute Force
- Secret Key**

Question 7  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Authorization is practice of finding, who the user is

Select one:

- True
- False**

Question 8  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Symmetric encryption uses 2 keys of same type and algorithm that are more similar

Select one:

- True
- False**

Question 9  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
symmetric encryption is computationally fast

Select one:

- True**
- False

Question 10  
Not yet answered  
Marked out of 1.00  
Flag question

Question text

A session key is valid for multiple connections  
Select one:  
True  
**False**

## Recap Quiz 6

Question 1  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Arrange the following steps in correct order to perform TDD test.  
1 - Run all tests and see if any new test fails.  
2 - Add a test.  
3 - Write some code.  
4 - Repeat.  
5 - Run tests and Refactor code.  
Select one:  
1-2-3-4-5  
**2-1-3-5-4**  
3-2-1-5-4  
2-1-3-4-5

Question 2  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
From the following, identify the statement(s) that is/are true about Incremental testing.  
Select one or more:  
**All modules need to be completed prior to testing**  
Top-Down approach can be used  
Use of stubs or drivers are required  
Bottom – up approach is also possible

Question 3  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Which of the following statement is true regarding Cooldown period  
Select one:  
Scaling event occurs during cooldown period  
scale-in event occurs during cooldown period  
**Scale-out event occurs during cooldown period**  
No scaling event during cooldown period

Question 4  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
What steps are in Continuous Integration?  
Select one or more:

- All the above
- Build**
- Deploy to staging
- Test**

Question 5  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
What are the success factors for Continuous Integration?  
Select one or more:

- Every commit (to baseline) should be built**
- Make the build self-testing**
- Automate the build**
- No notification of failure

Question 6  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
which of the following statement true regarding autoscaling policy?  
Select one:

- Add instances to autoscaling group when there is an increase in load
- Remove instance to autoscaling group when there is an decrease in load
- Add instances to autoscaling group when there is an decrease in load
- Remove instance to autoscaling group when there is an increase in load**

Question 7  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
How many elastic IP address per account per region can be created in AWS account?  
Select one:

- 5**
- 3
- 6
- 2

Question 8  
Not yet answered  
Marked out of 1.00  
Flag question

Question text  
How many inbound and outbound rules can be created in Security group?  
Select one:

100

70  
**60**  
50

**Question 9**

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Which is NOT a benefit of Continuous Integration?

Select one:

Productivity increases

**Bugs and defects no longer occur**

The integration process is faster

Issues can be identified and addressed quickly

**Question 10**

Not yet answered  
Marked out of 1.00  
Flag question

Question text

In custom VPC each and every network component to be created manually.

Select one:

True

**False**

## Question 1

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Which one of the following statement is correct in Layered architecture?

Select one:

- ☐ Reusing components easily:
- ☒ **All the mentioned above**
- ☐ Increases scalability
- ☐ Increases flexibility

## Question 2

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Size of a project is estimated based on \_\_\_\_\_

Select one:

- ☐ None of these options
- ☐ Cost
- ☐ Resource
- ☐ Time

## Question 3

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Object is an instance of a \_\_\_\_\_

Select one:

- ☐ program
- ☒ **class**
- ☐ structure

## Question 4

Not yet answered  
Marked out of 1.00

[Flag question](#)

### Question text

Assume there are 2 classes, Doctor and Patient. What is the relationship between Doctor and Patient?

Select one:

- ☐ Composition
- ☒ **Aggregation**
- ☐ Inheritance
- ☐ None of these options

## Question 5

Not yet answered  
Marked out of 1.00

[Flag question](#)

### Question text

The relationship between CPU and motherboard is \_\_\_\_\_

Select one:

- ☒ **Aggregation**
- ☐ Inheritance
- ☐ Composition
- ☐ None of these options

## Question 6

Not yet answered  
Marked out of 1.00

[Flag question](#)

### Question text

The concept of binding the data and the operations that operate on that data into a single functional unit is called \_\_\_\_\_

Select one:

- ☒ Encapsulation
- ☐ Inheritance
- ☐ Abstraction
- ☐ Polymorphism

## Question 7

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Pooja wants to develop a software for Global pharmacy. When storing the medicine sale details, she considers sale details like id, name, price, quantity, patient name, doctor name. But she ignores the patient name and doctor name as those details are not needed for the pharmacy.

Which concept of OO is applied in this scenario?

Select one:

- ☐ Encapsulation
- ☐ All the options
- ☒ Abstraction
- ☐ Information hiding

## Question 8

Not yet answered  
Marked out of 1.00

Flag question

### Question text

BSA Service Providers provide services to customers. Customers can take connections. The connection can be prepaid, postpaid or DTH. What is the relationship between Connection, Postpaid, Prepaid and DTH ?

Select one:

- ☐ Association
- ☐ Composition
- ☐ Aggregation
- ☒ Generalization

## Question 9

Not yet answered

Marked out of 1.00

Flag question

### Question text

Which of the options given below is dynamic ?

Select one:

- ☐ class
- ☒ **object**
- ☐ Both class and object

## Question 10

Not yet answered

Marked out of 1.00

Flag question

### Question text

One of the characteristic of SOA is that the services are platform dependent

Select one:

- ☒ **True**
- ☐ False

## Question 1

Not yet answered

Marked out of 1.00

Flag question

### Question text

What are the formats rest service will mostly support?

Select one or more:

- ☐ SOAP
- ☒ **JSON**
- ☒ **XML**
- ☐ JAVA

## Question 2

Not yet answered

Marked out of 1.00



Flag question

### Question text

Which of the following consume more resources rather than what they need to deploy an application?

Select one or more:

- ☐ Running the application in bare metal server
- ☐ Using Virtual Machine
- ☐ Using DevOps
- ☐ Using Docker

### Question 3

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Which of the following dimension, which is related to organization's boundaries?

Select one:

- ☐ Company security
- ☐ Ownership
- ☒ Physical location of data
- ☐ Security boundary

### Question 4

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Which of the following are used for Traffic Management in Microservices?

Select one:

- ☐ Decentralize data
- ☐ Autoscaling
- ☐ Monitoring
- ☐ Coupling

### Question 5

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

In which of the following models, sender and receiver need not be active at the same time?  
Select one:

- ☐ Client side discovery model
- ☐ Server side discovery model
- ☐ Point-to-Point model
- ☒ **Topics model**

### Question 6

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

Which model attempts to categorize a cloud network based on four dimensional factors.  
Select one:

- ☐ Cloud Service
- ☐ Cloud Platform
- ☒ **Cloud Cube**
- ☐ Cloud Square

### Question 7

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

Answer  is a higher level view of how the network is set up including which nodes connect to each other and how data is transmitted through the network. (**Logical Network Topology**)

### Question 8

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Continuous Integration(CI) Servers run test suites and can deploy applications automatically into test environment after integration.

Select one:

- ☐ True
- ☒ False

## Question 9

Not yet answered  
Marked out of 1.00

Flag question

### Question text

A scheduler is responsible for host selection.

Select one:

- ☒ True
- ☐ False

## Question 10

Not yet answered  
Marked out of 1.00

Flag question

### Question text

API's are used for accessing the data from database in the Microservices.

Select one:

- ☒ True
- ☐ False

## Question 1

Not yet answered  
Marked out of 1.00

Flag question

### Question text

In CSS script, which of the following styles is used to print a table with double border?  
Select one:

- ☐ border-all: double;
- ☒ **border-style: double;**
- ☐ border-type: double;
- ☐ border-radius: double;

## Question 2

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Which one of the following options is the correct way of declaring character encoding in html5?  
Select one:

- ☐ <meta http-equiv="Content-Type" content="text/html; />
- ☐ <meta content="text/html; charset=UTF-8" />
- ☐ <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
- ☒ **<meta charset="UTF-8" />**

## Question 3

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Converting text to cyber text is called  
Select one:

- ☐ decryption
- ☐ digital signature
- ☒ **encryption**
- ☐ hashing

## Question 4

Not yet answered

Marked out of 1.00

Flag question

Question text

In which way health care is benefited by RFID?

Select one:

- ☐ Wrist band
- ☒ **Health Record**
- ☐ Watch
- ☐ Patient record scan

Question 5

Not yet answered

Marked out of 1.00

Flag question

Question text

The year in which smaller computer was built

Select one:

- ☐ 1980
- ☐ 1985
- ☐ 1981
- ☐ 220 B.C.

Question 6

Not yet answered

Marked out of 1.00

Flag question

Question text

Main drawback of symmetric encryption is

Select one:

- ☐ Exchange of Key
- ☐ Non Repudiation
- ☐ Performance is slow
- ☒ **key is weak**

## Question 7

Not yet answered  
Marked out of 1.00

Flag question

### Question text

The key used to encrypt message and the same key used to decrypt message is  
Select one:

- ☐ digital signature
- ☐ Token
- ☒ **Symmetric Encryption**
- ☐ Asymmetric Encryption

## Question 8

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Choose the correct activity that does not allow the user to remain in control of the interaction with a device?

Select one:

- ☐ Activity that allows the interaction to be undoable
- ☐ Activity that makes the interaction to interruptible
- ☐ Hiding technical internals from casual users
- ☒ **Providing only one rigidly defined method for accomplishing a task**

## Question 9

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Which of the following activities are associated with a user interface designing processes?  
Select one:

- ☒ **user, task and environment analysis**
- ☐ UI validation
- ☐ Cost estimation

## Question 10

Not yet answered  
Marked out of 1.00

Flag question

### Question text

The appearance of the application should be same in both Desktop and Mobile

Select one:

- ☐ True  
☒ False

## Question 1

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Consider the ER diagram given below and select the appropriate answer. Refer the image a.

Type of Manufacturer entity Set - blank b. Type of Order entity set - blank c. Type of "Contains" relationship set - blank d. Address in Manufacturer table is - blank

Weak entity set primary key many-to-many Composite Key one-to-one Strong entity one-to-many foreign key strong entity set

## Question 2

Not yet answered  
Marked out of 1.00

Flag question

### Question text

The Normal Form of dependency, in which, set of attributes are neither a candidate key, nor a subset of any of the keys, are classified as blank . Drag and drop the correct answer.

transitive dependency partial dependency prime functional dependency  
full functional dependency

## Question 3

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Which of the statements are true with respect to delete and truncate command?  
Select one:

- ☐ Both the commands work in same manner
- ☒ **Delete command can be reversed but truncate cannot be reversed**
- ☐ Both the commands can be reversed
- ☐ Both the commands cannot be reversed

### Question 4

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Terms used to represent a Table, Record and field in relational database are  
Select one:

- ☐ Relation, Attribute & Tuple
- ☐ Attribute, Tuple and Relation
- ☒ **Relation, Tuple & Attribute**
- ☐ Tuple, Relation and Attribute

### Question 5

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Consider the ER diagram given below and identify the relationship between a Customer and an Order Refer the image  
Select one:

- ☐ one to one
- ☐ many to one
- ☐ many to many
- ☒ **one to many**



## Question 6

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Who manages the database operations like installation of DB, managing users and DB performance?

Select one:

- ☐ Super user
- ☐ System Administrator
- ☐ Application developer
- ☒ Database administrator

## Question 7

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Tom has designed a payroll software for XYZ technology. The software will store the salary details into the database and later he can retrieve the same for future reference. Tom falls under which category of users.

Select one:

- ☐ Network Administrator
- ☐ DBA
- ☒ Application Programmer
- ☐ End User

## Question 8

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Database Admin provides authorization to User1, which in turn provides authorization to User2. Who can revoke the authorization from User2?

Select one:

- ☒ DBA can revoke authorization from User2

- ☐ User2 revokes authorization from User2
- ☐ User1 can revoke authorization from User2
- ☒ DBA & User1 revokes authorization from User2

## Question 9

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Choose the odd one out from the given options.  
Select one:

- ☐ UNION
- ☒ MINUS
- ☐ NULL
- ☐ Intersection

## Question 10

Not yet answered  
Marked out of 1.00

Flag question

### Question text

A primary key can have NULL values. State True or False.  
Select one:

- ☐ True
- ☒ False

## Question 1

Not yet answered  
Marked out of 1.00

Flag question

### Question text

The conversion of plain text into cipher text is  
Select one:

- ☐ digital signature
- ☐ decryption

- ☒ encryption
- ☐ digital certificate

## Question 2

Not yet answered  
Marked out of 1.00

Flag question

### Question text

The encrypted communication between the server and client are mostly done using  
Select one:

- ☒ Session Key
- ☐ Network Key
- ☐ Web Key
- ☐ Root Key

## Question 3

Not yet answered  
Marked out of 1.00

Flag question

### Question text

The method of inserting the bits into the gap of data stream for security is  
Select one:

- ☒ Padding
- ☐ Encryption
- ☐ Hashing
- ☐ Digital signature

## Question 4

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Service availability can be achieved by implementing \_\_\_\_\_  
Select one:

- ☐ Fault-Tolerance

- ☐ Data Security
- ☐ All of these
- ☒ **Redundancy**

## Question 5

Not yet answered  
Marked out of 1.00

Flag question

### Question text

A prepares a message to B and encrypts it using A's private key before transmitting it. B can decrypt the message using A's public key.

Because the message was encrypted using A's private key, only A could have prepared the message. It is impossible to alter the message without access to A's private key, so the message is authenticated both in terms of source and in terms of data integrity

Select one:

- ☐ A's Message is confidential
- ☒ **A's Message is not confidential**

## Question 6

Not yet answered  
Marked out of 1.00

Flag question

### Question text

What are the basic components of IAM?

Select one:

- ☐ Group
- ☐ Roles
- ☒ **All of these**
- ☐ User

## Question 7

Not yet answered  
Marked out of 1.00

Flag question

### Question text

A prepares a message to B and encrypts it using A's private key before transmitting it. B can decrypt the message using A's public key. Because the message was encrypted using A's private key, only A could have prepared the message. it is impossible to alter the message without access to A's private key, so the message is authenticated both in terms of source and in terms of data integrity

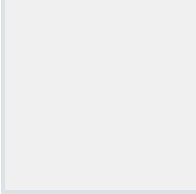
Select one:

☒ True

☐ False

## Question 8

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Asymmetric encryption has made symmetric encryption obsolete

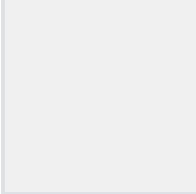
Select one:

☐ True

☒ False

## Question 9

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Asymmetric encryption increases computational overhead

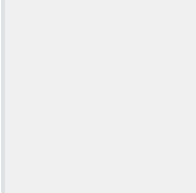
Select one:

☒ True

☐ False

## Question 10

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Public key Certificates allow key exchange

Select one:

☒ True

☐ False

## Question 1

Not yet answered  
Marked out of 1.00

Flag question

### Question text

In ..... , modules are integrated by moving downward through the control hierarchy, beginning with the main control module.

Select one:

- ☐ bottom-up integration testing
- ☐ regression testing
- ☒ **top-down integration testing**
- ☐ unit testing

## Question 2

Not yet answered  
Marked out of 1.00

Flag question

### Question text

Activities that are part of continuous integration.

Select one or more:

- ☐ Deploy to production
- ☒ **Monitor source Control**
- ☒ **Code Build**
- ☒ **Validate build with test**

## Question 3

Not yet answered  
Marked out of 1.00

Flag question

### Question text

What are the benefits of Continuous Integration?

Select one or more:

- ☐ None of the above
- ☒ **Setting the stage for Continuous Delivery**
- ☒ **Errors detected early**

☐ Decreases bug accumulation

### Question 4

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

Which statement is true regarding Elastic load balancer  
Select one:

- ☐ only distribute traffic
- ☐ Protect DDos attack
- ☐ only health check
- ☒ **Distribute traffic and Health Check**

### Question 5

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

Which Amazon service is also called recommendation engine?  
Select one:

- ☐ Security Manager
- ☒ **TrustedAdvisor**
- ☐ License Manager
- ☐ Inspector

### Question 6

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

Which component acts as a virtual firewall at instance level?  
Select one:

- ☐ Network ACL
- ☒ **Security Group**

☐ ACL

☐ NAT Gateway

### Question 7

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

How many secondary IP ranges are available in AWS VPC?  
Select one:

☒ 4

☐ 6

☐ 5

☐ 2

### Question 8

Not yet answered  
Marked out of 1.00

Flag question

#### Question text

..... is usually relied on to detect the faults, in addition to the faults introduced during coding phase itself.  
Select one:

☐ System testing

☒ **Black-box testing**

☐ Regression testing

☐ Acceptance testing

### Question 9

Not yet answered  
Marked out of 1.00

Flag question

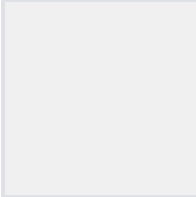
#### Question text

Answer  consists of a central shared repository where developers can commit changes to a file.



## Question 10

Not yet answered  
Marked out of 1.00



Flag question

### Question text

Inbound and outbound traffic for the AWS resources is restricted using IP address in Security Group

Select one:

☒

True

☐

False

## Quiz 1 Set 2

Top of Form

### Question 1

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

Which of the following represent the software architecture style

Select one:

Layered

**All of the mentioned**

Microservice

Client/server

### Question 2

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

Go-Will department store wants to automate a few of its functionalities. From the given options, identify the functional requirements of Go-Will department store

Select one or more:

**Generate Bill for the purchased Items**

Response for each button click should be within 3 seconds

**Add Product Details**

System should be up and running 24/7

### Question 3

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

Which of the given options best suits the given statement:

John is withdrawing an amount more than the actual balance that he has in his account.

Select one:

Postive Scenario

**Negative Scenario**

Test data

Test plan

### Question 4

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

Execution of test cases along with the test data happens in which phase of STLC?

Select one:

Test Design

Test plan  
Test Analysis  
**Test Execution**

## Question 5

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Inputs, preconditions, and the expected output are part of  
Select one:

Test Data  
Test Report  
**Test Case**  
Test Scenario

## Question 6

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

In an online shopping portal, for customer registration the password field can accept only characters in the range of 5 to 25. Derive test cases using Boundary value analysis  
Select one:

6,24,10,7,25  
**5,25,6,7,24**  
5,25,26,7,3  
5,25,4,7,26

## Question 7

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

In the student mark processing system, the HOD wants an analytics report of the student's performance, department wise. On clicking the Report icon, the analytics should be displayed in 2 seconds. Which testing should be done under this scenario  
Select one:

Regression Testing  
**Performance Testing**  
Usability Testing  
Stress Testing

## Question 8

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which model focuses more on customer satisfaction through frequent releases that works both incrementally and iteratively?  
Select one:

Incremental model  
Prototype  
**Agile**  
Waterfall model

## Question 9

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Global technologies has taken up the project for automation of all activities of ABC Bank. The project is in the design phase. Which of the following will be considered in this phase ?

Select one or more:

- Architecture
- Cost and Time
- Interface
- Design the table

## Question 10

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Software Architecture is concerned more about the design of how software processes cooperate to perform their tasks

Select one:

- True
- False

## Quiz 2

## Question 1

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which of the following options are correct regarding docker?

Select one or more:

- Docker containers are not portable
- Ten single virtual machines are required for running ten docker containers
- Dockers containers can run microservice applications
- Allows to wrangle dependencies starting from the operating system

## Question 2

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

What is JSON Stands for?

Select one:

- JavaScript Object Naming
- JavaScript Object Notification
- JavaScript Object Notation
- JavaScript Object Number

### Question 3

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

The elasticity and the flexibility in the Cloud are built on the foundation of  
Select one:

- Operating system
- Virtualization**
- Standardization
- Traditional IT

### Question 4

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

Which of the following architectural standards is working with cloud computing ?  
Select one:

- All of the mentioned
- Service-oriented architecture**
- Standardized Web services
- Web-application frameworks

### Question 5

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

Which of the following are not the principles of Microservices?  
Select one:

- Domain Driven Design
- Well defined scope
- Inter service communication
- Common Database**

### Question 6

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

Which of the following DevOps principles prevent bad code from getting deployed?  
Select one:

- Automation
- Incremental release
- Continuous Integration**
- Continuous Delivery

### Question 7

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

Which of the following is referred to as the backbone for the entire network in bus topology?

Select one:

Nodes

Drop lines

Main Cable

Server

## Question 8

Not yet answered

Marked out of 1.00

Flag question

### Question text

The **Release** is the point at which a build is ready for deployment into the production.

## Question 9

Not yet answered

Marked out of 1.00

Flag question

### Question text

Event Driven Architecture is tightly coupled.

Select one:

True

False

## Question 10

Not yet answered

Marked out of 1.00

Flag question

### Question text

Domain will be divided into subdomains and each subdomain will be focused individually as a part of Microservices.

Select one:

True

False

# Quiz 3

Top of Form

## Question 1

Not yet answered

Marked out of 1.00

Flag question

### Question text

In my web page there is a field 'User Name' which can take only alphabets, both small and capital and digits and an underscore. It should have a minimum of 6 characters and a maximum of 8 characters. Choose which tag is appropriate for this requirement.

Select one or more:

## Question 2

Not yet answered

Marked out of 1.00

Flag question

### Question text

default Port number of HTTP protocol, which ensures secure transmission is

Select one:

443

80

8080

9443

### Question 3

Not yet answered

Marked out of 1.00

Flag question

### Question text

Default Port number of https protocol, which is not secure is

Select one:

80

883

443

8080

### Question 4

Not yet answered

Marked out of 1.00

Flag question

### Question text

The functions of a device or its software to change depending on where it was used is called

Select one:

Context Computing

Context aware computing

Context Aware

None of the above

### Question 5

Not yet answered

Marked out of 1.00

Flag question

### Question text

What are the common languages that are used in Android Studio?

Select one or more:

C#

Swift

Kotlin

Java

### Question 6

Not yet answered

Marked out of 1.00

Flag question

### Question text

What is the latest version of Xcode available?

Select one:

9  
10  
12  
11

## Question 7

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

The process of identifying a user as a valid user is

Select one:

Non Repudiation

Authentication

Authorization

Encryption

## Question 8

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Choose the frame work that helps us to perform Responsive Web Design.

Select one:

Bootstrap

jQuery

HTML

CSS3

## Question 9

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Which of the following must be included in the head of the web page that is optimized for variety of devices?

Select one:

@media tag

Title tag

Meta viewport tag

Style tag

## Question 10

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Name the analysis that considers the temperature and pressure restrictions?

Select one:

Environment Analysis

Climate analysis

Task analysis

User analysis



## QUIZ -4

### Question 1

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

The low level data models are also called as |

physical data models

. Drag and Drop the correct answer.

triggered data models

physical data models

logical data models

Conceptual data models

### Question 2

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

Records are organized as |

Tree

, in hierarchical model. Drag and drop the correct answer.

Graph

Tree

### Question 3

Not yet answered  
Marked out of 1.00  
Flag question

#### Question text

Consider the ER diagram given below and select the appropriate answer.

Refer the image

Type of Customer Entity set

Strong entity set

Type of Buys relationship set

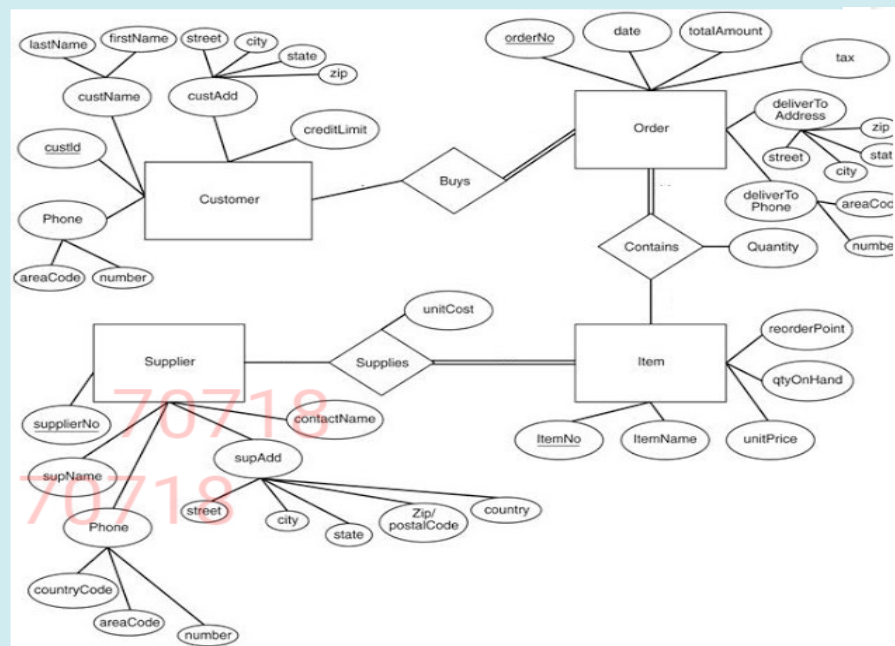
One-to-Many

custID in customer table is

primary key

custAdd in customer table is

composite key



weak entity

one-to-one

Strong entity set

foreign key

One-to-Many

many-to-many

primary key

composite key

## Question 4

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Information can be accessed by

database administrators

, which is stored in the information repository. Drag and Drop the correct answer.

Client servers

host computers

database administrators

security managers

## Question 5

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

\_\_\_\_\_ is provided for Manipulation and processing of database.

Select one:

DDL

TCL

DCL

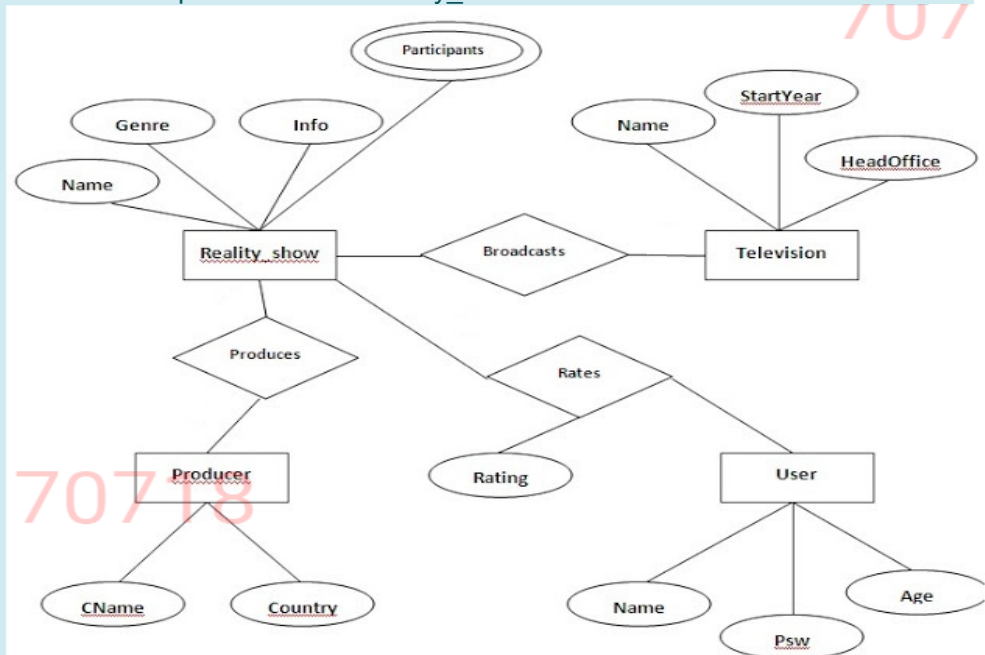
**DML**

## Question 6

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

ER Diagram - To Design a schema to record information about the reality shows on Television. Refer the image From the given ER diagram identifying the relationship between the Reality\_show and the Producer.



Select one:

- one to many
- many to one**
- many to many
- one to one

## Question 7

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Relations are termed as \_\_\_\_\_ in relational model.  
Select one:

- Rows
- Attributes
- Tables**
- Tuples

## Question 8

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

DBMS stands for \_\_\_\_\_.  
Select one:

- Dual Bus Mask Storage
- Directory Based Memory standard
- Data base management system**
- Data base marginal system

## Question 9

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Identify the False statement  
Select one:

**Data elements in the database can be modified by changing the data dictionary.**

The data dictionary is normally maintained by the database administrator.  
A data dictionary is a tool used exclusively by the database administrator.  
The data dictionary contains the name and description of each data element.

## Question 10

Not yet answered  
Marked out of 1.00  
Flag question

### Question text

Database architecture can be viewed as three levels. State True or False.

Select one:

True

False

## QUIZ 5

### Question 1

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Insertion of bits into gaps in data streams to protect traffic analysis attempts is called

Select one:

Traffic Padding

decryption TTL

encryption

### Question 2

Not yet answered  
Marked out of 1.00  
Flag question

Question text

\_\_\_\_\_ involves trying every possible key until an intelligible translation of the ciphertext into plaintext is obtained.

Select one:

Hashing

Brute Force Attack

cryptanalysis

Man in the middle Attack

### Question 3

Not yet answered  
Marked out of 1.00  
Flag question

Question text

\_\_\_\_\_ is an encryption/decryption scheme in which a block of plaintext is treated as a whole and used to produce a ciphertext block of equal length

Select one:

Block text  
Block cipher  
Stream Cipher  
Brute Force

## Question 4

Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Technique used to conceal data inside other files  
Select one:  
Steganography  
Hashing  
Brute Force  
cryptanalysis

## Question 5

Not yet answered  
Marked out of 1.00  
Flag question

Question text  
cryptographic method that transforms data into a unique string  
Select one:  
Hashing  
Steganography  
cryptanalysis  
Brute Force

## Question 6

Not yet answered  
Marked out of 1.00  
Flag question

Question text  
Encryption is reversible whereas hashing is irreversible  
Select one:  
True  
False

## Question 7

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Proof that the message was sent by specified party  
Select one:

- IAM
- RBAC
- Non Repudiation
- encryption

## Question 8

Not yet answered  
Marked out of 1.00  
Flag question

Question text

The use of mathematical algorithms to transform data into a shape that is not easily understood

Select one:

- traffic padding
- authentication
- encipherment
- Notarization

## Question 9

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Source and credibility of data is proved by

Select one:

- encryption
- decryption TTL
- Digital Signature
- Session Key

## Question 10

Not yet answered  
Marked out of 1.00  
Flag question



Question text

Hashing is different from other types of encryption because encryption, which can not be decrypted using keys

Select one:

**True**

False

## QUIZ 6

### Question 1

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Identify the person by whom the Unit Testing will be done

Select one:

Testers

End Users

Customer

**Developers**

### Question 2

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Which of the following healthcheck identify software bugs like deadlock condition, memory leaks

Select one:

Local health check

Anomaly detection

**Dependency health check**

Liveness check

### Question 3

Not yet answered  
Marked out of 1.00  
Flag question

Question text

What are the benefits of Source control?

Select one or more:

Track changes  
No History  
Undo changes  
Backup and restore

## Question 4

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Which of the following web server monitoring does not require human interaction?

Select one:

Advanced Web Performance Monitoring  
Synthetic Performance Monitoring  
Mid-level Web Performance Monitoring  
Basic Web Performance Monitoring

## Question 5

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Which component is used to communicate with the internet in a private subnet?

Select one:

Route Table  
EC2 Instance  
NAT Gateway  
Security Group

## Question 6

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Which component is used for routing traffic from public subnet to Internet?

Select one:

Security Group  
VPG  
Subnet  
Route Table

## Question 7

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Which component is used to create a subset of VPC IP range?

Select one:

Route Table  
Subnet  
Network ACL  
Security Group

## Question 8

Not yet answered  
Marked out of 1.00  
Flag question

Question text

Verification is a process of

Select one:

Checking that we are building the right system  
Performed by an independent test team  
Checking that we are building the system right  
Making sure that it is what the user really wants

## Question 9

Not yet answered  
Marked out of 1.00  
Flag question

Question text

True or False. Pull requests should be fully functional and not contain any bugs before getting teammates to look through them.

Select one:

True  
False

## Question 10

Not yet answered  
Marked out of 1.00  
Flag question

Question text

True or false, Merging allows you to combine changes made on one branch with the changes on a different branch

Select one:

**True**

False