SDM CCEE Mock Test

CDAC Mumbai Sep22

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Center *

Juhu ▾

Name *

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PRN (12 Digits) *

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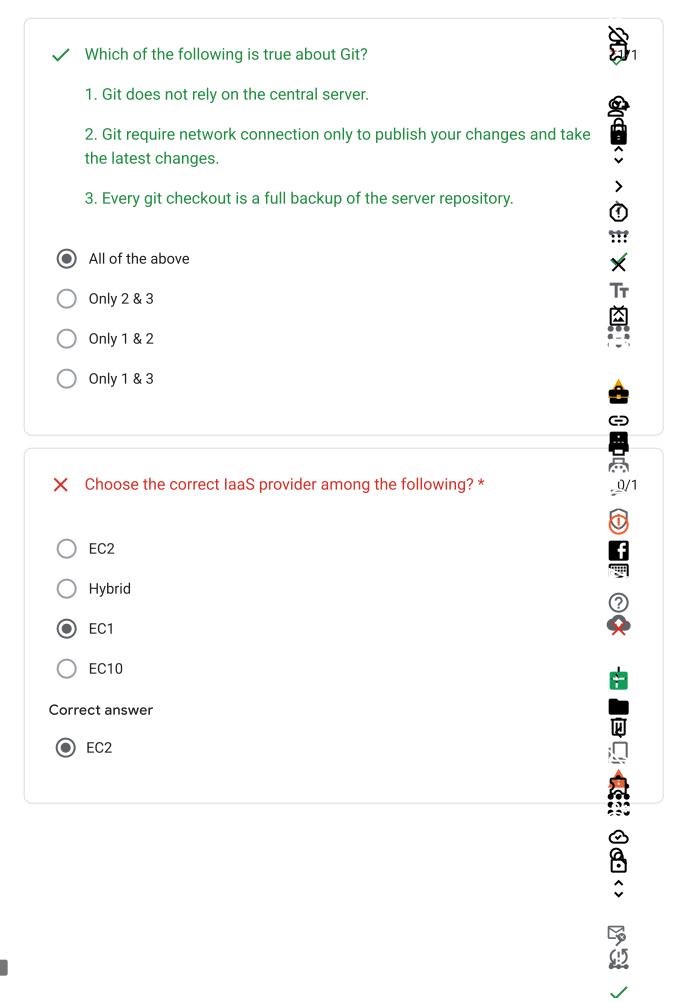Questions   12 of 40 points

✗ **What is the basic operational unit of Kubernetes? ***

○ Container

○ Nodes

○ Task

○ Pod

Correct answer

◉ Pod

✓ **The degree of interaction between two modules is known as ***

○ Inheritance

○ Cohesion

○ Strength

◉ Coupling

✓ **Functional approach is also known as ***

○ Glass box testing

○ Input box testing

○ Output box testing

◉ Black box testing

✗ A Docker registry is a place to store and distribute Docker _____ * 0/1

○ Files

⦿ All of the mention

○ Codes

○ Images

Correct answer

⦿ Images

✗ Black box testing is also called * 0/1

○ Structural testing

○ Verification

⦿ Unit testing

○ Specification-based testing

Correct answer

⦿ Specification-based testing

✗ Which of the following is an essential concept related to Cloud? *

○ Productivity

○ All of the mention

◉ Reliability

○ Abstraction

Correct answer

◉ Abstraction

✗ _____ are instances of Docker images that can be run using the Docker run command.

○ Container

○ File

◉ Hub

○ Cloud

Correct answer

◉ Container

✕ **Which of the following is correct git command to set your username during git initial setup?**

○ git config --global user "Rajneesh"

○ git config --global user.name "Rajneesh"

○ git --global user.name "Rajneesh"

⦿ git init config --global user.name "Rajneesh"

Correct answer

⦿ git config --global user.name "Rajneesh"

✓ **What is the role of a service registry in a microservices architecture?** *

○ It keeps track of all running instances of a service

⦿ All of the above

○ It allows services to discover each other

○ It provides load balancing for services

✓ Which of the following is true about Git?

1. Git does not rely on the central server.

2. Git require network connection only to publish your changes and take the latest changes.

3. Every git checkout is a full backup of the server repository.

- ⦿ All of the above
- ○ Only 2 & 3
- ○ Only 1 & 2
- ○ Only 1 & 3

✗ Choose the correct IaaS provider among the following? *

- ○ EC2
- ○ Hybrid
- ⦿ EC1
- ○ EC10

Correct answer

- ⦿ EC2

✓ **The ways of describing specifications at different levels of detail include**

○ requirements definition

● Both

○ requirements specification

○ None

✗ **_____ are those software mistakes that occurred during the coding phase?**

○ Failures

○ Defects

○ Bugs

● Errors

Correct answer

● Bugs

✕ _____ command is used for stopping a running container. *

○ $ docker stop

○ $ docker rm

○ $ docker kill

○ $ docker start

Correct answer

◉ $ docker kill

✓ One can list all of the containers on the machine via the _____ command.

◉ docker ps

○ docker run

○ docker pc

○ docker r

✕ Which among the following measures how strongly the elements within a module are related?

◉ Aggregation

○ Inheritance

○ Coupling

○ Cohesion

Correct answer

◉ Cohesion

✕ Which of the following is not true about the Waterfall Model? *

○ It gives efficient staff utilization

○ It does not consider risk handling

◉ It needs clarity of requirements at start

○ It is suited for small projects

Correct answer

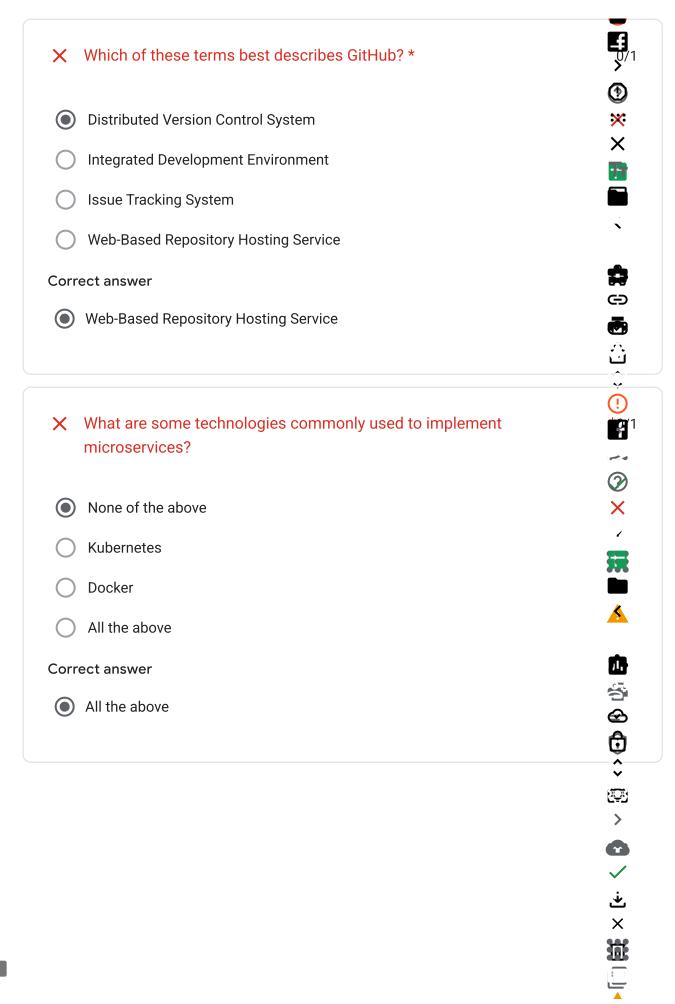◉ It gives efficient staff utilization

✕ Identify the correct set of DevOps values? *

○ Culture, Automation, Lean, Metrics, Sharing

○ Culture, Collaboration, Communication, Sharing

○ Culture, Automation, Lean, Measurement, Sharing

◉ All of the mentioned

Correct answer

◉ Culture, Automation, Lean, Measurement, Sharing

✕ In a _____ scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

○ paravirtualization

○ full virtualization

◉ emulation

○ None of the mentioned

Correct answer

◉ full virtualization

✕ In kubernetes a node is _____ *

○ developing tool

○ A worker machine

⦿ A tool for starting a kubernetes cluster on a local machine

○ None of mention

Correct answer

⦿ A worker machine

✕ The entity relationship diagram *

○ Depicts relationships between data objects

○ Depicts functions that transform the data flow

⦿ Indicates how data are transformed by the system

○ Indicates system reactions to external events

Correct answer

⦿ Depicts relationships between data objects

✕ The Linear Sequential or Classic Life Cycle is also called *

○ Prototyping Model

○ Incremental Model

◉ Spiral model

○ Waterfall Model

Correct answer

◉ Waterfall Model

✓ A test case design technique that makes use of a knowledge of the internal program logic

○ Unit Testing

○ None of these

◉ White Box Testing

○ Black Box Testing

✕ A software requirements specification (SRS) document should avoid discussing which one of the following?

◯ Non-functional requirements

◯ Design specification

● User interface issues

◯ Interfaces with third party software

Correct answer

● Design specification

✕ Class diagram represents *

◯ state machine

◯ conceptual design

● organization of objects

◯ set of actions

Correct answer

● conceptual design

✓ A design is said to be a good design if the components are *   /1

○ Strongly coupled and weakly cohesive

● Strongly cohesive and weakly coupled

○ Weakly cohesive

○ Strongly coupled

✕ Which of the following is not a part of DevOps lifecycle _____. *   /1

● Plan

○ Operating

○ Build

○ Code

Correct answer

● Operating

✕ **Which of these terms best describes GitHub?** *

○ Distributed Version Control System

○ Integrated Development Environment

○ Issue Tracking System

○ Web-Based Repository Hosting Service

Correct answer

● Web-Based Repository Hosting Service

✕ **What are some technologies commonly used to implement microservices?**

● None of the above

○ Kubernetes

○ Docker

○ All the above

Correct answer

● All the above

✗ **Identify among the following, which provides a runtime environment.** *

○ PaaS

◉ XaaS

○ SaaS

○ None

Correct answer

◉ PaaS

✗ **Which of the following provides the Graphic User Interface (GUI) for interaction with the cloud?**

○ Client Infrastructure

◉ Application

○ Client

○ Server

Correct answer

◉ Client Infrastructure

✓ **Which command is used to delete a container in Docker?** * 1/1

○ remove

○ delete

○ drop

◉ rm

✓ **Which of the following type of virtualization is also characteristic of cloud computing?** 1/1

○ Storage

○ Application

◉ All of the mentioned

○ CPU

✗ **Which of the following is not an area of concern in the design model?** * 0/1

○ Interfaces design

○ Data design

○ Project scope

◉ Architecture

Correct answer

◉ Project scope

✗ Which of the following model may require largest deployment of manpower

○ Component Assembly Model

○ RAD Model

○ Incremental Model

○ Waterfall Model

Correct answer

● RAD Model

✗ A simple way of looking at the spiral software life-cycle model is as a waterfall model with each phase proceeded by

○ Synchronization

○ Risk analysis

● Build-and-fix

○ Freezing

Correct answer

● Risk analysis

✓ Which of the following runs on each node and ensures containers are running in a pod?

○ Pod

● Kubelet

○ Scheduler

○ Etcd

✗ "V" model is? *

○ Test Level

○ Test design technique

○ Software development testing (SDLC) model

● Test type

Correct answer

● Software development testing (SDLC) model

✓ Which one is NOT generally a change after Virtualization? *

○ virtual machines can be provisioned to any system

○ can manage os and application as a single unit by encapsulating them into virtual machines.

● software and hardware tightly coupled

○ hardware- independence of operating system and applications

✕ Which of the following cannot be called a software life cycle model? *

◯ Rapid Application Development

◯ Capability Maturity Model

◯ Prototyping Model

◉ Waterfall Model

Correct answer

◉ Capability Maturity Model

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