SDM CCEE Mock Test

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* Required

Questions

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

○ remove

○ drop

○ delete

○ rm

One can list all of the containers on the machine via the _____　* 1 point
command.

○ docker run

○ docker ps

○ docker r

○ docker pc

The ways of describing specifications at different levels of detail include   *   1 point

○ None

○ requirements definition

○ Both

○ requirements specification

_____ command is used for stopping a running container. *   1 point

○ $ docker stop

○ $ docker kill

○ $ docker start

○ $ docker rm

The Linear Sequential or Classic Life Cycle is also called   *   1 point

○ Incremental Model

○ Spiral model

○ Prototyping Model

○ Waterfall Model

The degree of interaction between two modules is known as *   1 point

○ Coupling

○ Inheritance

○ Strength

○ Cohesion

Which of the following provides the Graphic User Interface (GUI) for   * 1 point
interaction with the cloud?

○ Client Infrastructure

○ Client

○ Application

○ Server

_____ are instances of Docker images that can be run using the   * 1 point
Docker run command.

○ File

○ Cloud

○ Hub

○ Container

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

○ Strongly cohesive and weakly coupled

○ Weakly cohesive

○ Strongly coupled

○ Strongly coupled and weakly cohesive

Which of these terms best describes GitHub? *   1 point

○ Web-Based Repository Hosting Service

○ Integrated Development Environment

○ Issue Tracking System

○ Distributed Version Control System

A simple way of looking at the spiral software life-cycle model is as a waterfall model with each phase proceeded by   * 1 point

○ Freezing

○ Risk analysis

○ Synchronization

○ Build-and-fix

A Docker registry is a place to store and distribute Docker _____ *   1 point

◯ Files

◯ All of the mention

◯ Images

◯ Codes

In kubernetes a node is _____ *   1 point

◯ A worker machine

◯ developing tool

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

◯ None of mention

Which of the following is not true about the Waterfall Model? *   1 point

◯ It does not consider risk handling

◯ It gives efficient staff utilization

◯ It needs clarity of requirements at start

◯ It is suited for small projects

Which of the following is not an area of concern in the design model? * 1 point

○ Architecture

○ Interfaces design

○ Project scope

○ Data design

Which of the following is correct git command to set your username during git initial setup? * 1 point

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

○ git config --global user "Rajneesh"

○ git --global user.name "Rajneesh"

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

"V" model is? * 1 point

○ Software development testing (SDLC) model

○ Test design technique

○ Test Level

○ Test type

What is the role of a service registry in a microservices architecture? *   1 point

○ All of the above

○ It provides load balancing for services

○ It keeps track of all running instances of a service

○ It allows services to discover each other

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

○ paravirtualization

○ full virtualization

○ emulation

○ None of the mentioned

A test case design technique that makes use of a knowledge of the internal * 1 point
program logic

○ None of these

○ Black Box Testing

○ White Box Testing

○ Unit Testing

Which of the following cannot be called a software life cycle model? *   1 point

○ Waterfall Model

○ Prototyping Model

○ Capability Maturity Model

○ Rapid Application Development

Which of the following runs on each node and ensures containers are   * 1 point
running in a pod?

○ Etcd

○ Kubelet

○ Scheduler

○ Pod

Which of the following model may require largest deployment of   * 1 point
manpower

○ RAD Model

○ Waterfall Model

○ Incremental Model

○ Component Assembly Model

Choose the correct IaaS provider among the following? *   1 point

○ EC1

○ EC2

○ EC10

○ Hybrid

Which among the following measures how strongly the elements within a   * 1 point
module are related?

○ Cohesion

○ Inheritance

○ Aggregation

○ Coupling

The entity relationship diagram *   1 point

○ Depicts relationships between data objects

○ Indicates system reactions to external events

○ Depicts functions that transform the data flow

○ Indicates how data are transformed by the system

Which of the following is an essential concept related to Cloud? *   1 point

○ Abstraction

○ All of the mention

○ Productivity

○ Reliability

What is the basic operational unit of Kubernetes? *   1 point

○ Nodes

○ Pod

○ Task

○ Container

Which of the following is true about Git?   * 1 point

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.

○ Only 1 & 3

○ All of the above

○ Only 1 & 2

○ Only 2 & 3

_____ are those software mistakes that occurred during the coding phase? *   1 point

○ Defects

○ Errors

○ Failures

○ Bugs

Identify the correct set of DevOps values? *   1 point

○ Culture, Collaboration, Communication, Sharing

○ Culture, Automation, Lean, Metrics, Sharing

○ Culture, Automation, Lean, Measurement, Sharing

○ All of the mentioned

Class diagram represents   *   1 point

○ set of actions

○ organization of objects

○ state machine

○ conceptual design

Functional approach is also known as   *   1 point

◯ Black box testing

◯ Glass box testing

◯ Output box testing

◯ Input box testing

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

◯ Operating

◯ Build

◯ Plan

◯ Code

Identify among the following, which provides a runtime environment. *   1 point

◯ XaaS

◯ SaaS

◯ PaaS

◯ None

A software requirements specification (SRS) document should avoid discussing which one of the following? * 1 point

○ Non-functional requirements

○ Design specification

○ User interface issues

○ Interfaces with third party software

What are some technologies commonly used to implement microservices? * 1 point

○ All the above

○ Docker

○ Kubernetes

○ None of the above

Black box testing is also called * 1 point

○ Specification-based testing

○ Verification

○ Unit testing

○ Structural testing

Which one is NOT generally a change after Virtualization? *   1 point

○ software and hardware tightly coupled

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

○ virtual machines can be provisioned to any system

○ hardware- independence of operating system and applications

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

○ Storage

○ Application

○ All of the mentioned

○ CPU

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