Quiz review

Started on	Sunday, 21 January 2024, 3:45 PM
State	Finished
Completed on	Sunday, 21 January 2024, 3:46 PM
Time taken	1 min 18 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00
Feedback	Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

45573

_____ is the process during which the changes of a system are implemented in a controllable manner by following a predefined model, with some reasonable modifications.

Select one:

- ⦿ a. Change Management ✔
- ○ b. Update Management
- ○ c. Modification Management

Your answer is correct.

The correct answer is: Change Management

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Question 2

Correct

Mark 1.00 out of 1.00

From the options select the configuration items that are eligible for configuration management

Select one or more:

- ☑ a. Source code document ✔
- ☑ b. Test Report ✔
- ☑ c. SRS ✔
- ☑ d. Design Document ✔

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Your answer is correct.

The correct answers are: Source code document, Test Report, SRS, Design Document

Question 3

Correct

Mark 1.00 out of 1.00

Which is the software configuration concept that ensures that change should be done in a controlled and authorized environment

Select one:

- a. SVN
- b. Audit
- c. Baseline ✔
- d. Configuration database

Your answer is correct.

The correct answer is: Baseline

Question 4

Correct

Mark 1.00 out of 1.00

Tom and Peter works on the same project. Tom does his work and update the local copy back to the configuration management server. This process is called as

Select one:

- a. Check-out
- b. Check-in ✔
- c. Management
- d. Baseline

Your answer is correct.

The correct answer is: Check-in

Question 5

Correct

Mark 1.00 out of 1.00

_____ ensures that when two different people does the work and update parallelly, one should not over write the other

Select one:

- a. Synchronization control ✔
- b. Check-out
- c. Baseline
- d. Check-in

Your answer is correct.

The correct answer is: Synchronization control

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Quiz review

Started on	Sunday, 21 January 2024, 3:51 PM
State	Finished
Completed on	Sunday, 21 January 2024, 3:53 PM
Time taken	1 min 30 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00
Feedback	Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Collaborative and co-operative approach among all the stake holders is important. This is a feature of the _____ Agile Methodology

Select one:

○ a. Scrum

◉ b. Dynamic system development method, ✔

○ c. Lean Software Development

Your answer is correct.

Collaborative and co-operative approach among all the stake holders is given importance in Dynamic system development method

The correct answer is: Dynamic system development method,

Question 2

Correct

Mark 1.00 out of 1.00

Which of these is not an agile methodology

○ a. DSDM

◉ b. SPIRAL ✔

○ c. SCRUM

○ d. CRYSTAL

Your answer is correct.

The correct answer is:

SPIRAL

Question 3

Correct

Mark 1.00 out of 1.00

Scrum divides the development into short cycles called as _____

- ○ a. Spiral Cycles
- ◉ b. Sprint Cycles ✔
- ○ c. Risk Cycles
- ○ d. Stable Cycles

Your answer is correct.

The correct answer is:
Sprint Cycles

Question 4

Correct

Mark 1.00 out of 1.00

_____ methodology is useful when the client requirements are not clear and stable

- ○ a. Waterfall Methodology
- ○ b. Spiral Methodology
- ○ c. Prototype Methodology
- ◉ d. Agile Methodology ✔

Your answer is correct.

The correct answer is:
Agile Methodology

Question 5

Correct

Mark 1.00 out of 1.00

DSDM is iterative and incremental

Select one:
- ◉ True ✔
- ○ False

The correct answer is 'True'.

Jump to...

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Quiz review

Started on	Sunday, 21 January 2024, 4:09 PM
State	Finished
Completed on	Sunday, 21 January 2024, 4:12 PM
Time taken	3 mins 2 secs
Marks	6.00/6.00
Grade	**100.00** out of 100.00
Feedback	Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Which agile methodology divides the development into sprint cycles, in which a Specified set of features are delivered? Choose from the following:

Select one:

- ○ a. Extreme programming
- ○ b. Lean Software Development
- ◉ c. SCRUM ✔

Your answer is correct.

The correct answer is: SCRUM

Question 2

Correct

Mark 1.00 out of 1.00

What are the roles in dynamic system development method? Choose from the following:

Select one or more:

- ☐ a. Designer
- ☐ b. System Analyst
- ☑ c. Technical Coordinator ✔
- ☑ d. Scribe Facilitator ✔

Your answer is correct.

The correct answers are: Scribe Facilitator, Technical Coordinator

Question 3
Correct

Mark 1.00 out of 1.00

_____ methodology focus on visualization flow

- ○ a. Prototype
- ○ b. DSDM
- ○ c. Scrum
- ● d. Kanban ✔

Your answer is correct.

The correct answer is:

Kanban

Question 4
Correct

Mark 1.00 out of 1.00

State true or false. During agile development more emphasize is given for documentation

Select one:
- ● a. FALSE ✔
- ○ b. TRUE

Your answer is correct.

The correct answer is: FALSE

Question 5
Correct

Mark 1.00 out of 1.00

_____ is an iterative and incremental approach that embraces principles of agile development, including continuous user/customer involvement.

Select one:
- ○ a. Loop creation method
- ○ b. Static System Development Method
- ○ c. Increment Method
- ● d. Dynamic System Development Method ✔

Your answer is correct.

The correct answer is: Dynamic System Development Method

Question 6

Correct

Mark 1.00 out of 1.00

Which of the following agile methodologies depends on the cohesiveness of the team and individual commitment of the team members?

Select one:

- a. SCRUM
- b. Extreme programming
- c. Lean Software Development ✔
- d. Feature Driven Development

Your answer is correct.

The correct answer is: Lean Software Development

◄ **Test Your Understanding**

Jump to...

Business Analytics Intro Video ►

Quiz review

Started on	Sunday, 21 January 2024, 4:20 PM
State	Finished
Completed on	Sunday, 21 January 2024, 4:23 PM
Time taken	2 mins 47 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

____ layer in busness analytics indicate what is happening or what has happened

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Select one:

○ Cognitive Layer

○ Predictive Layer

◉ Descriptive Layer ✔

○ Prescriptive Layer

The correct answer is: Descriptive Layer

Question 2

Correct

Mark 1.00 out of 1.00

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An optimal solution is based on ___

Select one or more:

☑ Targets ✔

☑ Limits ✔

☑ Choices ✔

☐ Source

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The correct answers are: Targets, Limits, Choices

Question 3

Correct

Mark 1.00 out of 1.00

____ layer describes what could happen

Select one:

- ○ Prescriptive Layer
- ○ Cognitive Layer
- ◉ Predictive Layer ✔
- ○ Descriptive Layer

The correct answer is: Predictive Layer

Question 4

Correct

Mark 1.00 out of 1.00

____ Allows decision makers at virtually all levels of the organization to gain insight into business performance and data to support and guide actions.

Select one:

- ○ SCM
- ◉ BPM ✔
- ○ ERP
- ○ CRM

The correct answer is: BPM

Question 5

Correct

Mark 1.00 out of 1.00

Analytics reveal hidden patterns in ____

Select one:

- ○ Solutions
- ○ Programs
- ◉ Data ✔
- ○ Functions

The correct answer is: Data

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 4:28 PM
State	Finished
Completed on	Sunday, 21 January 2024, 4:31 PM
Time taken	3 mins 5 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

The challenge faced in Business Analytics are

Select one or more:

- ☑ Velocity of data ✔
- ☐ Integral data
- ☑ Volume of data ✔
- ☑ Variety of data ✔

The correct answers are: Volume of data, Variety of data, Velocity of data

Question 2
Correct

Mark 1.00 out of 1.00

_____ helps to uncover unexpected patterns and associations from all data within an organization

Select one:

- ⦿ Predictive Layer ✔
- ○ Prescriptive Layer
- ○ Descriptive Layer
- ○ Cognitive Layer

The correct answer is: Predictive Layer

Question 3

Correct

Mark 1.00 out of 1.00

_____ is the Process of discovering various models, summaries and derived values from a given collection of data

Select one:

○ Data Mart

○ Data Warehouse

○ Cube

◉ Data Mining ✔

The correct answer is: Data Mining

Question 4

Correct

Mark 1.00 out of 1.00

To understand the best course of action for a problem is ____

Select one:

◉ Cognitive Layer ✔

○ Predictive Layer

○ Prescriptive Layer

○ Descriptive Layer

The correct answer is: Cognitive Layer

Question 5

Correct

Mark 1.00 out of 1.00

By working to plan an information agenda, master information, and apply Business Analytics, organizations can take advantage of the following areas

Select one or more:

☐ Source Control management

☑ Information Management ✔

☑ ECM ✔

☐ Domain management

The correct answers are: Information Management, ECM

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 4:32 PM
State	Finished
Completed on	Sunday, 21 January 2024, 4:34 PM
Time taken	1 min 38 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

Which is not a KPI

Select one:
- ○ Leading KPI
- ○ Process KPI
- ○ Input KPI
- ● Effort KPI ✔

The correct answer is: Effort KPI

Question 2
Correct

Mark 1.00 out of 1.00

_____ helps an organization to define and measure progress towards organizational goals.

Select one:
- ○ BPM
- ○ ERP
- ○ CRM
- ● KPI ✔

The correct answer is: KPI

Question 3

Correct

Mark 1.00 out of 1.00

Which of these are attributes of performance measure

Select one or more:

- ☑ Relevant ✔
- ☑ Holistic ✔
- ☑ Strategic ✔
- ☑ Timely ✔

The correct answers are: Strategic, Holistic, Relevant, Timely

Question 4

Correct

Mark 1.00 out of 1.00

Expand KSI

Select one:

- ○ Key Success Initiative
- ◉ Key Success Indicator ✔
- ○ Key Success Index
- ○ Key Source Indicator

The correct answer is: Key Success Indicator

Question 5

Correct

Mark 1.00 out of 1.00

____ reflect the success or failure after an event has been consumed

Select one:

- ◉ Lagging KPI ✔
- ○ Leading KPI
- ○ Input KPI
- ○ Process KPI

The correct answer is: Lagging KPI

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 4:35 PM
State	Finished
Completed on	Sunday, 21 January 2024, 4:37 PM
Time taken	1 min 57 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

A metric should be time bound

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

____ is an important measure of how well an organization meets or exceeds a customer's expectations

Select one:

○ ERP

○ KPIs

◉ Customer Satisfaction ✔

○ CRM

The correct answer is: Customer Satisfaction

Question 3

Correct

Mark 1.00 out of 1.00

The most common form of KPI reporting is ____

Select one:

- ● Dashboarding ✔
- ○ KPIs
- ○ CRM
- ○ ERP

The correct answer is: Dashboarding

Question 4

Correct

Mark 1.00 out of 1.00

____ is the subject matter area on which reports revolve around.

Select one:

- ● Content ✔
- ○ Documents
- ○ Books
- ○ Digital Files

The correct answer is: Content

Question 5

Correct

Mark 1.00 out of 1.00

Units per hour is an example of what KPI

Select one:

- ○ Qualitative KPI
- ○ Outcome KPI
- ● Quantitative KPI ✔
- ○ Lagging KPI

The correct answer is: Quantitative KPI

◄ **Management Dashboards**

Jump to...

Design thinking Pre quiz ►

Quiz review

Started on	Sunday, 21 January 2024, 4:42 PM
State	Finished
Completed on	Sunday, 21 January 2024, 4:43 PM
Time taken	1 min 4 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

Design Thinking is focusing on the stated problem than to arrive at a solution immediately

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Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

45573

Which is not a phase in design thinking

Select one:

○ Materialize

○ Understand

○ Model ✔

○ Explore

The correct answer is: Model

45573

Question 3
Correct

Mark 1.00 out of 1.00

Stating Your Users' Needs and Problems is done in which phase

Select one:

- ◉ Define ✔
- ◯ Ideate
- ◯ Prototype
- ◯ Empathize

The correct answer is: Define

Question 4
Correct

Mark 1.00 out of 1.00

Sub phases of understand phase is ___

Select one or more:

- ☑ Empathize ✔
- ☐ Ideate
- ☐ Prototype
- ☑ Define ✔

The correct answers are: Empathize, Define

Question 5
Correct

Mark 1.00 out of 1.00

____ is an iterative process in which we understand the users clearly

Select one:

- ◯ Artificial Intelligence
- ◯ Designing
- ◉ Design Thinking ✔
- ◯ Machine Learning

The correct answer is: Design Thinking

◄ **Business Analytics Techniques Post quiz**

Jump to...

Design Thinking ►

Quiz review

Started on	Sunday, 21 January 2024, 4:50 PM
State	Finished
Completed on	Sunday, 21 January 2024, 4:50 PM
Time taken	20 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

_____in design thinking is a written, actionable statement that expresses the problem that the design team is trying to address.

45573

Select one:
- ◉ POV ✔
- ○ Ideate
- ○ Bodystorm
- ○ Empathy

The correct answer is: POV

Question 2
Correct

Mark 1.00 out of 1.00

45573

Which of the following is mapped by an empath map

Select one or more:
- ☑ Feels ✔
- ☑ Says ✔
- ☑ Does ✔
- ☑ Thinks ✔

45573

The correct answers are: Says, Thinks, Does, Feels

Question 3

Correct

Mark 1.00 out of 1.00

Analyzing how users interact with their environment is a ____ activity in Empathize

Select one:

○ Ideate

○ Engage

○ Immerse

● Observer ✔

The correct answer is: Observer

Question 4

Correct

Mark 1.00 out of 1.00

Researching Your Users' Needs is done in which phase

Select one:

○ Define

○ Ideate

○ Prototype

● Empathize ✔

The correct answer is: Empathize

Question 5

Correct

Mark 1.00 out of 1.00

Challenge Assumptions and Create Ideas is done in

Select one:

○ Empathize

○ Define

○ Prototype

● Ideate ✔

The correct answer is: Ideate

◄ **Design Thinking**

Jump to...

Introduction to Devops - PreQuiz ►

Quiz review

Started on	Sunday, 21 January 2024, 4:58 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:00 PM
Time taken	2 mins 2 secs
Marks	10.00/10.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

Before DevOps, there is a significant delay between development and operations

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following CI/CD tools is a continuous integration server developed by Atlassian?

Select one:

○ Bamboo ✔

○ TeamCity

○ GitLab

○ Jenkins

The correct answer is: Bamboo

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following CI/CD tools is known for its ease of setup, out-of-the-box usability, and beautiful user interface?

Select one:

- ○ CircleCI
- ◉ TeamCity ✔
- ○ Jenkins
- ○ Bamboo

The correct answer is: TeamCity

Question 4

Correct

Mark 1.00 out of 1.00

In YAML file used for BitBucket pipeline, you can use different types of container for each step by selecting different images

Select one:

- ◉ True ✔
- ○ False

The correct answer is 'True'.

Question 5

Correct

Mark 1.00 out of 1.00

Which of the following is the final phase of the DevOps cycle?

Select one:

- ○ Operate
- ○ Release
- ○ Deploy
- ◉ Monitor ✔

The correct answer is: Monitor

Question 6
Correct

Mark 1.00 out of 1.00

Which of the following CI/CD toolsprovides support for .Net framework?

Select one:

- ⊙ TeamCity ✔
- ○ Bamboo
- ○ GitLab
- ○ CircleCI

The correct answer is: TeamCity

Question 7
Correct

Mark 1.00 out of 1.00

Each service runs in its own process and communicates with other services through a well-defined interface in Microservices

Select one:

⊙ True ✔

○ False

The correct answer is 'True'.

Question 8
Correct

Mark 1.00 out of 1.00

The applications with Azure CI/CD pipelines can be deployed to multiple target environments

Select one:

⊙ True ✔

○ False

The correct answer is 'True'.

Question 9

Correct

Mark 1.00 out of 1.00

In which of the following pipelines, all the new changes run through a consistent set of quality checks?

Select one:

- ○ GitLab pipeline
- ○ Azure pipeline
- ○ Bitbucket pipeline
- ● AWS codpipeline ✔

The correct answer is: AWS codpipeline

Question 10

Correct

Mark 1.00 out of 1.00

In which of the following, there is no human intervention and only a failed test will prevent a new change to be deployed to production?

Select one:

- ○ Continuous monitoring
- ● Continuous Deployment ✔
- ○ Continuous Delivery
- ○ Continuous Integration

The correct answer is: Continuous Deployment

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 5:08 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:10 PM
Time taken	1 min 43 secs
Marks	10.00/10.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

In GitLab, pipes are agents that run the CI/CD Jobs

Select one:

○ True

◉ False ✔

The correct answer is 'False'.

Question 2
Correct

Mark 1.00 out of 1.00

Pipe uses a script that lives in a Docker container

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question 3
Correct

Mark 1.00 out of 1.00

In Continuous Integration, build status is reported to developers when they are changing the code.

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following uses a version control system and a central code repository for tracking the code changes made by developers?

Select one:

- ○ Continuous Deployment
- ○ Continuous Monitoring
- ● Continuous Integration ✔
- ○ Continuous Delivery

The correct answer is: Continuous Integration

Question 5

Correct

Mark 1.00 out of 1.00

Which of the following CI/CD tools is designed to handle anything from a simple CI server to a complete CD hub?

Select one:

- ○ TeamCity
- ○ CircleCI
- ● Jenkins ✔
- ○ Bamboo

The correct answer is: Jenkins

Question 6

Correct

Mark 1.00 out of 1.00

You can either define the pipeline using YAML syntax or through the user interface in Azure pipeline

Select one:

- ● True ✔
- ○ False

The correct answer is 'True'.

Question 7

Correct

Mark 1.00 out of 1.00

The _____ is used to record the code changes made by developers so that these changes can be shared to others

Select one:

- ○ Change Control Board
- ○ Repository
- ○ Trello Board
- ◉ Version control system ✔

The correct answer is: Version control system

Question 8

Correct

Mark 1.00 out of 1.00

Which of the following are the services provided by Azure DevOps?

Select one or more:

- ☐ Azure Agents
- ☑ Azure Repos ✔
- ☑ Azure Artifacts ✔
- ☑ Azure Boards ✔

The correct answers are: Azure Boards, Azure Artifacts, Azure Repos

Question 9

Correct

Mark 1.00 out of 1.00

Which of the following CI/CD tools is suitable for small projects?

Select one:

- ○ Bamboo
- ◉ CircleCI ✔
- ○ GitLab
- ○ TeamCity

The correct answer is: CircleCI

Question 10

Correct

Mark 1.00 out of 1.00

In _____, developed code is continuously delivered until the programmer considers it is ready to ship.

Select one:

○ Continuous Integration

◉ Continuous Delivery✔

○ Continuous Deployment

○ Continuous Monitoring

The correct answer is: Continuous Delivery

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Jump to...

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Quiz review

Started on	Sunday, 21 January 2024, 5:12 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:14 PM
Time taken	1 min 45 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

DevOps bridges the gap between development and operations teams.

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following is a a software development practice where members of a team use a version control system and frequently integrate their work to the same location like the main branch?

○ Continuous Delivery

○ Continuous Deployment

● Continuous Integration ✔

○ Continuous Monitoring

The correct answer is: Continuous Integration

Question 3

Correct

Mark 1.00 out of 1.00

A Blue/Green deployment is a deployment strategy in which you create two separate, but identical environments.

Select one:

● True ✔

○ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

With Continuous Delivery, production happens automatically without explicit approval.

Select one:

○ True

◉ False ✔

The correct answer is 'False'.

Question 5

Correct

Mark 1.00 out of 1.00

CAMS Stands for Culture, Automation, _____ and _____.

☑ Sharing ✔

☐ Motivation

☑ Measurement ✔

☐ Standard

The correct answers are: Measurement, Sharing

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 5:14 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:16 PM
Time taken	1 min 48 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

In CAMS Model, _____ is all about monitoring and tracking the progress of various activities involved in the DevOps environment.

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- ○ Automation
- ○ Sharing
- ● Measurement ✔
- ○ Culture

The correct answer is: Measurement

Question 2
Correct

Mark 1.00 out of 1.00

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DevOps culture is about agility, scalability, continuous improvements in the delivery of services.

Select one:
- ● True ✔
- ○ False

The correct answer is 'True'.

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Question 3
Correct

Mark 1.00 out of 1.00

Using a blue/green deployment strategy increases application availability and reduces deployment risk by simplifying the rollback process if a deployment fails.

Select one:
- ● True ✔
- ○ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

In the Blue/Green deployment, once testing has been completed on the blue environment, live application traffic is directed to the blue environment and the green environment is deprecated.

Select one:

◯ True

◉ False ✔

The correct answer is 'False'.

Question 5

Correct

Mark 1.00 out of 1.00

Which of the following refers to automatically releasing a developer's changes from the repository to production, where it is usable by customers?

◉ Continuous Deployment ✔

◯ Continuous Delivery

◯ Continuous Monitoring

◯ Continuous Integration

The correct answer is: Continuous Deployment

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 5:17 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:19 PM
Time taken	1 min 52 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

Which of the following are the Test Automation tools?

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- ○ Vagrant
- ○ Terraform
- ◉ Selenium ✔
- ○ AWS CloudFormation

The correct answer is: Selenium

Question 2
Correct

Mark 1.00 out of 1.00

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Replacing or modifying older apps with newer microservices architecture can open up the doors to faster development and quicker innovation.

Select one:
- ◉ True ✔
- ○ False

The correct answer is 'True'.

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Question 3
Correct

Mark 1.00 out of 1.00

Which of the following are the Software Configuration Management tools?

- ☑ CVS ✔
- ☑ Git ✔
- ☐ Docker
- ☐ Ansible

The correct answers are: Git, CVS

Question 4

Correct

Mark 1.00 out of 1.00

Infrastructure-as-Code tools are used to create software environments using predefined templates.

Select one:

◉ True ✔

◯ False

The correct answer is 'True'.

Question 5

Correct

Mark 1.00 out of 1.00

_____ is the first phase of the pipeline, where developers put in their code and then again the code goes to the version control system with a proper version tag.

◉ Build phase ✔

◯ Deploy phase

◯ Validate phase

◯ Test phase

The correct answer is: Build phase

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 5:20 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:22 PM
Time taken	2 mins 10 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following phases in the CI/CD pipeline get all the features of that code from various branches of the repository, merge them and finally use a compiler to compile it?

45573

○ Testing phase

○ Validation phase

○ Deploy phase

● Build phase ✔

The correct answer is: Build phase

Question 2

Correct

Mark 1.00 out of 1.00

45573

Unit Testing tests individual units or components of a code written by the developer to validate if they perform as expected.

Select one:

● True ✔

○ False

The correct answer is 'True'.

45573

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following are Infrastructure-As-Code tools?

☐ SVN

☑ Terraform ✔

☑ AWS CloudFormation ✔

☐ Kubernetes

The correct answers are: AWS CloudFormation, Terraform

Question 4

Correct

Mark 1.00 out of 1.00

_____ and _____ are CI/CD software that automates tasks starting from development pipeline to deployment.

- ☐ Puppet
- ☑ Bamboo ✔
- ☑ Jenkins ✔
- ☐ Vagrant

The correct answers are: Jenkins, Bamboo

Question 5

Correct

Mark 1.00 out of 1.00

An Elastic stack can be created to automatically monitor the application and logs.

Select one:

- ⦿ True ✔
- ◯ False

The correct answer is 'True'.

◄ **DevSecOps Part 2**

Jump to...

DevsecOps Part 3 Pre quiz ►

Quiz review

Started on	Sunday, 21 January 2024, 5:25 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:25 PM
Time taken	14 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

A _____ is an application security solution that can help to find certain vulnerabilities in web applications while they are running in production.

○ Software Composition Analysis

○ Container security

○ Static Analysis Security Testing

◉ Dynamic Analysis Security Testing ✔

The correct answer is: Dynamic Analysis Security Testing

Question 2

Correct

Mark 1.00 out of 1.00

Vulnerability Scanning ensures that code is checked for vulnerabilities at every major stage of the delivery pipeline from the time it is written to, when it is deployed into production.

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question 3

Correct

Mark 1.00 out of 1.00

Use a SAST tool to ensure that your code is secure, safe, and reliable.

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following DevSecOps tools allows an All-in-One website security scanner to support developers to detect problems at the most advanced stage?

- ○ Codacy
- ◉ Acunetix ✔
- ○ GitLab
- ○ Aqua Security

The correct answer is: Acunetix

Question 5

Correct

Mark 1.00 out of 1.00

45573

_____ refers to the process of tracking the identified vulnerabilities, the steps taken to mitigate and/or eliminate those vulnerabilities, and the overall status of the application's security.

- ◉ Monitor ✔
- ○ Remediate
- ○ Analyze
- ○ Scan

The correct answer is: Monitor

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Jump to...

45573

Quiz review

Started on	Sunday, 21 January 2024, 5:27 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:29 PM
Time taken	2 mins 10 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

_____ is an enterprise-grade automated code review solution that uses static code analysis to provide comprehensive vulnerability reporting.

45573

- ○ Aqua Security
- ○ Acunetix
- ● Codacy ✔
- ○ SonarQube

The correct answer is: Codacy

Question 2

Correct

Mark 1.00 out of 1.00

45573

_____ is a web-based DevOps program that gives a full CI/CD toolchain out-of-the-box in one particular application.

- ○ Aqua Security
- ○ Contrast Security
- ● GitLab ✔
- ○ Logz.io

The correct answer is: GitLab

45573

Question 3

Correct

Mark 1.00 out of 1.00

Runtime protection means securing software against threats that can arise when your application starts running.

Select one:
- ○ True
- ● False ✔

The correct answer is 'False'.

Question 4

Correct

Mark 1.00 out of 1.00

_____ provides a summary of possible attack scenarios, outlines the flow of sensitive data, and identifies vulnerabilities and offers potential mitigation options.

- ○ Scan
- ◉ Threat Modeling ✔
- ○ Monitor
- ○ Remediate

The correct answer is: Threat Modeling

Question 5

Correct

Mark 1.00 out of 1.00

_____ is an application security methodology for managing open source components.

- ◉ Software Composition Analysis ✔
- ○ Container security
- ○ Static Analysis Security Testing
- ○ Dynamic Analysis Security Testing

The correct answer is: Software Composition Analysis

Quiz review

Started on	Sunday, 21 January 2024, 5:33 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:33 PM
Time taken	15 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

DSOMM Level 1 calls for the execution of static analysis tools without any changes to the tools or settings.

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 2
Correct

Mark 1.00 out of 1.00

_____ is incorporated in the implementation phase of Secure SDLC.

⦿ Static Analysis✔

○ Dynamic Analysis

○ Security Monitoring/Compliance

○ OS Hardening, Web/Application Hardening

The correct answer is: Static Analysis

Question 3
Correct

Mark 1.00 out of 1.00

Which of the following are considered as the 4-Axes in DSOMM?

☐ Collaboration

☑ Static Depth✔

☑ Intensity✔

☐ Strategy

The correct answers are: Static Depth, Intensity

Question 4

Correct

Mark 1.00 out of 1.00

Security issues can be addressed in the SDLC pipeline well before deployment to production.

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 5

Correct

Mark 1.00 out of 1.00

During the development phase in secure SDLC, teams need to make sure that they use secure coding standards.

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 5:38 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:39 PM
Time taken	49 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

Employing both SAST and DAST in a pipeline would cover both codebase and runtime vulnerabilities.

Select one:
- ⦿ True ✔
- ⦾ False

The correct answer is 'True'.

Question 2
Correct

Mark 1.00 out of 1.00

Which of the following are the three critical areas focused by Security Monitoring/Compliance in Secure SDLC?

- ☑ Shifting security left in the SDLC ✔
- ☑ Creating an audit trail throughout the development ✔
- ☑ Building security into policies ✔
- ☐ Hardening web applications

The correct answers are: Shifting security left in the SDLC, Building security into policies, Creating an audit trail throughout the development

Question 3
Correct

Mark 1.00 out of 1.00

DSOMM strives to incrementally increase the effectiveness of a security program from Level 1 to Level 4.

Select one:
- ⦿ True ✔
- ⦾ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following are the steps of Threat Modeling?

- ☑ Mitigation ✔
- ☐ Usecase Modeling
- ☑ Ranking Threats ✔
- ☑ Decomposing the application ✔

The correct answers are: Decomposing the application, Ranking Threats, Mitigation

Question 5

Correct

Mark 1.00 out of 1.00

In which of the following phases of Secure SDLC, teams follow architecture and design guidelines to address risk?

- ○ Development
- ○ Requirement Analysis
- ○ Planning
- ⦿ Architecture And Design ✔

The correct answer is: Architecture And Design

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 5:52 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:54 PM
Time taken	1 min 32 secs
Marks	3.00/3.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following are the Software Composition Analysis tools?

45573

- ☐ Aqua Security
- ☑ Dependency Checker ✔
- ☐ Docker
- ☑ WhiteSource ✔

The correct answers are: WhiteSource, Dependency Checker

Question 2

Correct

Mark 1.00 out of 1.00

45573

Bill Of Materials (BOM) describe the components included in applications, the version of the components used, and the license types for each.

Select one:
- ◉ True ✔
- ○ False

The correct answer is 'True'.

45573

Question 3

Correct

Mark 1.00 out of 1.00

Any component that has the potential to adversely impact cyber supply-chain risk is a candidate for Component Analysis.

Select one:
- ◉ True ✔
- ○ False

The correct answer is 'True'.

Jump to...

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Quiz review

Started on	Sunday, 21 January 2024, 5:56 PM
State	Finished
Completed on	Sunday, 21 January 2024, 5:57 PM
Time taken	12 secs
Marks	3.00/3.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

SAC tools can both spot any security weak points and suggest potential solutions based on the entire code base.

Select one:

- ⦿ True ✔
- ◯ False

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

Implementing SCA ensures that all of the components in your applications are secure and compliant.

Select one:

- ⦿ True ✔
- ◯ False

The correct answer is 'True'.

Question 3

Correct

Mark 1.00 out of 1.00

_____is the process of identifying potential areas of risk from the use of third-party and open-source software and hardware components.

- ◯ Configuration Management
- ◯ Dynamic Analysis
- ⦿ Component Analysis ✔
- ◯ Static Analysis

The correct answer is: Component Analysis

Jump to...

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Quiz review

Started on	Sunday, 21 January 2024, 6:00 PM
State	Finished
Completed on	Sunday, 21 January 2024, 6:01 PM
Time taken	36 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

Which of the following rules comes under comprehensive rulesets while embedding SAST tools into the pipeline?

45573

- ☑ Header injection ✔
- ☐ Weak encryption
- ☑ XML external entity ✔
- ☐ Path manipulation

The correct answers are: XML external entity, Header injection

Question 2
Correct

Mark 1.00 out of 1.00

45573

_____ is an approach to detect dependency bugs in build systems.

- ○ Smoke
- ○ Reshift
- ⦿ VeriBuild ✔
- ○ Static code analyzer

The correct answer is: VeriBuild

45573

Question 3
Correct

Mark 1.00 out of 1.00

SAST is performed at the static level ensuring¬ that code guidelines are followed without actually executing the application.

Select one:
- ⦿ True ✔
- ○ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following SAST tools is specifically built for NodeJS?

- ○ Veracode
- ◉ Reshift✔
- ○ Klocwork
- ○ Checkmarx

The correct answer is: Reshift

Question 5

Correct

Mark 1.00 out of 1.00

45573

Which of the following problems can be identified by using static analysis?

- ☑ Violation of code style guidelines✔
- ☐ Input/Output Validation
- ☑ Dead or unused code✔
- ☐ Code Coverage

The correct answers are: Dead or unused code, Violation of code style guidelines

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Jump to...

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Quiz review

Started on	Sunday, 21 January 2024, 6:07 PM
State	Finished
Completed on	Sunday, 21 January 2024, 6:09 PM
Time taken	1 min 35 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

_____ is designed for optimizing the performance for analyzing typestate problem

45573

○ Checkmarx

○ VeriBuild

◉ Smoke ✔

○ Static code analyzer

The correct answer is: Smoke

Question 2
Correct

Mark 1.00 out of 1.00

45573

Static code analyzers help to define project specific rules to ensure that all developers follow them without any manual intervention or sidetracking.

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

45573

Question 3
Correct

Mark 1.00 out of 1.00

Which of the following SAST tools is designed for web applications?

○ Klocwork

○ Checkmarx

○ Veracode

◉ HCL AppScan ✔

The correct answer is: HCL AppScan

Question 4

Correct

Mark 1.00 out of 1.00

Static Application Security Testing (SAST) is also known as 'black box testing'.

Select one:

○ True

◉ False ✔

The correct answer is 'False'.

Question 5

Correct

Mark 1.00 out of 1.00

SAST tools examine the source code at rest to detect and report on potential security vulnerabilities.

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 6:11 PM
State	Finished
Completed on	Sunday, 21 January 2024, 6:14 PM
Time taken	2 mins 23 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

In Push Based Configuration Management System, nodes pull the configuration information from the server.

45573

Select one:

○ True

◉ False ✔

The correct answer is 'False'.

Question 2

Correct

Mark 1.00 out of 1.00

45573

You can also use Ansible Automation Platform for configuration management to maintain your systems in the desired state.

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question 3

Correct

Mark 1.00 out of 1.00

45573

Configuration drift occurs when ad-hoc configuration changes and updates result in a mismatched development, test, and deployment environments.

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

_____ is a list of tasks that runs repeatedly in an order.

- ⦿ Playbook ✔
- ◯ Task
- ◯ Role
- ◯ Module

The correct answer is: Playbook

Question 5

Correct

Mark 1.00 out of 1.00

Which of the following is an open-source configuration management tool based on Python?

- ◯ Chef
- ◯ Vagrant
- ⦿ SaltStack ✔
- ◯ Puppet

The correct answer is: SaltStack

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 6:19 PM
State	Finished
Completed on	Sunday, 21 January 2024, 6:19 PM
Time taken	28 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

Ansible is an example of a pull based configuration management tool.

Select one:
- ○ True
- ◉ False ✔

The correct answer is 'False'.

Question 2
Correct

Mark 1.00 out of 1.00

Which of the following services natively integrates Role-Based Access Control (RBAC) into the management platform?

- ◉ Azure Resource Manager ✔
- ○ CF Engine
- ○ Google Cloud Deployment Manager
- ○ AWS CloudFormation

The correct answer is: Azure Resource Manager

Question 3
Correct

Mark 1.00 out of 1.00

_____ allows you to create "recipes" and "cookbooks" using its Ruby-based DSL.

- ○ Vagrant
- ◉ Chef ✔
- ○ Terraform
- ○ Puppet

The correct answer is: Chef

Question 4
Correct

Mark 1.00 out of 1.00

Ansible leverages SSH to communicate between servers.

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 5
Correct

Mark 1.00 out of 1.00

_____ are the components required to operate and manage enterprise IT environments.

○ Infrastructure ✔

○ Module

○ Platform

○ Playbook

The correct answer is: Infrastructure

Jump to...

Quiz review

Started on	Sunday, 21 January 2024, 6:24 PM
State	Finished
Completed on	Sunday, 21 January 2024, 6:24 PM
Time taken	16 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1
Correct

Mark 1.00 out of 1.00

Vulnerability scanning tools can be used to identify specific local users and groups.

Select one:
- ⦿ True ✔
- ⦾ False

The correct answer is 'True'.

Question 2
Correct

Mark 1.00 out of 1.00

ServerSpec lets you to include metadata about your compliance rules.

Select one:
- ⦾ True
- ⦿ False ✔

The correct answer is 'False'.

Question 3
Correct

Mark 1.00 out of 1.00

_____ is a set of security tools that can be used to validate compliance against a set of policies.

- ⦾ Inspec
- ⦾ ClientSpec
- ⦿ OpenSCAP ✔
- ⦾ ServerSpec

The correct answer is: OpenSCAP

Question 4

Correct

Mark 1.00 out of 1.00

With Chef Automate, you can run your InSpec compliance tests on demand, see the results on the dashboard, and remediate the problem.

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 5

Correct

Mark 1.00 out of 1.00

InSpec tests can be easily added to act as a quality gate for compliance.

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Quiz review

Started on	Sunday, 21 January 2024, 6:29 PM
State	Finished
Completed on	Sunday, 21 January 2024, 6:29 PM
Time taken	15 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

Once you have categorized and prioritized vulnerabilities, break down your remediation process into bite-size chunks to make them more manageable and effective.

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Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

45573

InSpec can also run as a series of automated tests that execute as part of your standard release pipelines.

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 3

Correct

Mark 1.00 out of 1.00

45573

Inspec uses a client-server model.

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

Chef Automate is an integrated solution for managing and deploying infrastructure and applications.

Select one:

⦿ True ✔

◯ False

The correct answer is 'True'.

Question 5

Correct

Mark 1.00 out of 1.00

_____ was created to provide a standardized approach to maintain the security of systems.

◯ Inspec

⦿ OpenSCAP ✔

◯ ClientSpec

◯ ServerSpec

The correct answer is: OpenSCAP

◄ **DevSecOps Part 8**

Jump to...