_____ 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

Question 2
Correct
Mark 1.00 out of 1.00

Flag question

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

Select one or more:

☑ a.
Design Document

☑ b.
SRS

☑ c.
Test Report

☑ d.
Source code document

Question 3
Correct

Mark 1.00 out of 1.00

Flag question

Question text

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.
Management

c.
Check-in

d.
Baseline

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Question text

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

Select one:

a.
Baseline

b.
Check-out

c.
Check-in
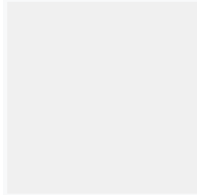
d.
Synchronization control

Feedback

Your answer is correct.

The correct answer is: Synchronization control

Question 5

Correct
Mark 1.00 out of 1.00

Flag question

Question text

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

Select one:

a.
Baseline

b.
Configuration database

c.
Audit

d.
SVN

Feedback

Your answer is correct.

The correct answer is: Baseline

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

Select one:

○

a.

Lean Software Development

○

b.

Scrum

⦿

c.
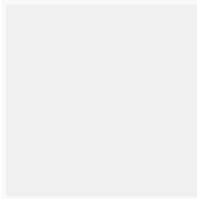
Dynamic system development method,

Question 2
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Match the phases and objectives of Dynamic System Development Method

Feasibility study

Answer 1

Assess cost, time and technical factors	▼

Design and build

Answer 2

Product is developed in iterations	▼

Business study

Answer 3

Analyzing the process and the users who are a part of it and their needs	▼

Functional model

Answer 4

Studying the business processes and converting these business process into model	▼

Implementation phase	Answer 5

<div>
Delivers the tested system along with the documentation to the end users ▾
</div>

Question 3
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Arrange the phases of Feature Driven Development

- Develop overall Model
- Build a Features List
- Plan by Feature
- Design by Feature
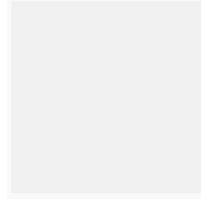- Build by Feature

3. Plan by Feature

4. Design by Feature

5. Build by Feature

Question **4**
Correct

Mark 1.00 out of 1.00

Question text
Match the principles and objectives of Lean Software Development

Eliminate waste   Answer 1 | Unnecessary work | ▼ |

Build in quality   Answer 2 | Quality assurance through out the project development | ▼ |

Deliver fast   Answer 3 | Deliver smaller increments of the product in short intervals | ▼ |

Defer commitment   Answer 4 | Make decisions even at the last possible moment | ▼ |

Create knowledge   Answer 5 | Learn and share with others and empower self | ▼ |

Feedback
Your answer is correct.

Eliminate waste - Unnecessary work.

Build in quality - Quality assurance should be integrated through out the project development.

Create knowledge - Learn and share knowledge with others and empower self.

Defer commitment - Make decisions even at the last possible moment.

Deliver fast - Deliver smaller increments of the product in short intervals.

The correct answer is:
Eliminate waste → Unnecessary work,
Build in quality → Quality assurance through out the project development,
Deliver fast → Deliver smaller increments of the product in short intervals,
Defer commitment → Make decisions even at the last possible moment,
Create knowledge → Learn and share with others and empower self

Question **5**

Correct

Mark 1.00 out of 1.00

Question text

Match the roles and responsibilities of the scrum agile methodology

Product owner

Answer 1

Client/Customer

Team Member

Answer 2

Programmer, a designer, a tester or an architect

Scrum master

Answer 3

Coordinator responsible for controlling , handling discussions, communications and removing any barrier or problems during the scrum process

Feedback

Your answer is correct.

Product owner is the client/customer.

Scrum master acts as the coordinator responsible for controlling , handling discussions, communications and removing any barrier or problems during the scrum process.

Team Member can be either a programmer, a designer, a tester or an architect.

The correct answer is:
Product owner → Client/Customer, Team Member → Programmer, a designer, a tester or an architect, Scrum master → Coordinator responsible for controlling , handling discussions, communications and removing any barrier or problems during the scrum process

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

Select one:

○ a.
FALSE

○ b.
TRUE

Feedback

Your answer is correct.

The correct answer is: FALSE

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

Flag question

Question text

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.
SCRUM

○ b.
Lean Software Development

○ c.
Extreme programming

Feedback

Your answer is correct.

The correct answer is: SCRUM

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

Flag question

Question text

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

Select one:

○
a.
Increment Method

○
b.
Static System Development Method

◉
c.
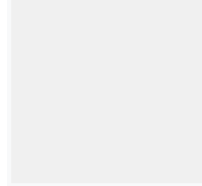Dynamic System Development Method

○
d.
Loop creation method

Feedback

Your answer is correct.

The correct answer is: Dynamic System Development Method

Question **4**
Correct
Mark 1.00 out of 1.00

Flag question

Question text

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

Select one or more:

☑
a.
Technical Coordinator

☐
b.
System Analyst

☑
c.
Scribe Facilitator

☐
d.
Designer

Feedback

Your answer is correct.

Question **5**
Correct
Mark 1.00 out of 1.00

Flag question

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

Select one:

○
a.
Feature Driven Development

○
b.
SCRUM

○
c.
Extreme programming

◉
d.
Lean Software Development

Feedback
Your answer is correct.

The correct answer is: Lean Software Development

Question **6**
Correct
Mark 1.00 out of 1.00

Flag question

Question text
Arrange the Scrum practices in the correct order

- Plan for the Sprint
- Sprint
- Daily Scrum
- Review the Sprint

- Work Review and finding Improvement

Since time is a fixed resource, Prioritization is applied to requirements, tasks, products and user cases.

Select one:

◉ True

○ False

Question **2**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Which of the following MoSCoW Requirements describes a requirement which is considered desirable but not necessary?

Select one:

○

Must have

○

Should have

○

Won't have

◉

Could have

Feedback

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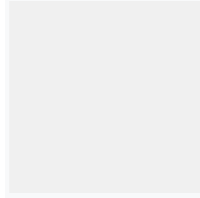
Mark 1.00 out of 1.00

Flag question

Question text
Which of the following activities belong to Deployment Phase?

Select one or more:

☑

Deploy

☑

Assemble

☑

Review

☐

Test

Feedback
The correct answers are: Assemble, Review, Deploy

Question **4**
Correct
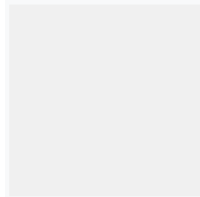
Mark 1.00 out of 1.00

Flag question

Question text
In DSDM, Analysis, Design and Development phases can overlap.

Select one:

◉ True

○ False

Question **5**
Correct

Mark 1.00 out of 1.00
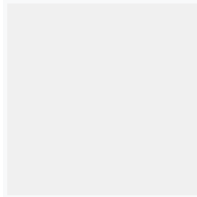
Flag question

Question text
Which of the following DSDM products provides a vision and a justification for the project from a business perspective?

Select one:

◉

Business Case

○

Timebox Plan

○

Delivery Plan

○

Feasibility Assessment

Question **6**
Correct

Mark 1.00 out of 1.00
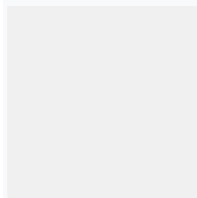
Flag question

Question text
Which of the following steps belong to DSDM Structured Timebox?

Select one or more:

☑

Refinement

☑

Consolidation

☑

Investigation

☐

Collaboration

Question 7
Correct

Mark 1.00 out of 1.00
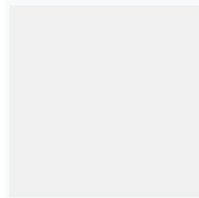
Flag question

Question text
A DSDM project will always deliver a viable solution, on time and on cost, as long as the practices of MoSCoW and timeboxing are followed.

Select one:

◉ True

○ False

Question 8
Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following roles in DSDM coordinates all aspects of management of the project at a high level?

Select one:

○ Business Analyst

◉ Project Manager

○ Business Ambassador

○ Solution Developer

Question 9
Correct

Mark 1.00 out of 1.00

Flag question

Question text

Foundations phase should last no longer than a few weeks, even for large and complex projects.

Select one:

◉ True

○ False

Question **10**
Correct

Mark 1.00 out of 1.00
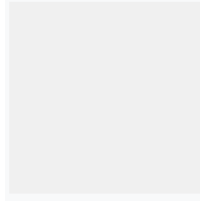
Question text
In which of the following DSDM principles, after each project increment or Timebox is delivered, the project priorities and viability are re-assessed ?

Select one:

○ Develop iteratively

◉ Build incrementally from firm foundations

○ Demonstrate control

○ Deliver on time

Feedback
The correct answer is: Build incrementally from firm foundations

Which of the following roles could be multiple stakeholders or a community

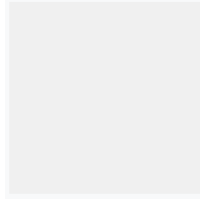Select one:

○ Coach

○ Developer

○ Manager

◉ Customer

Feedback
The correct answer is: Customer

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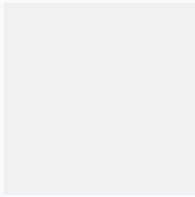
Mark 1.00 out of 1.00

Flag question

Question text
Which of the following roles falls in the middle between Coach and Tracker
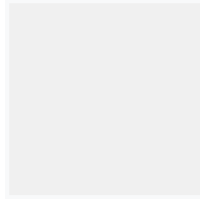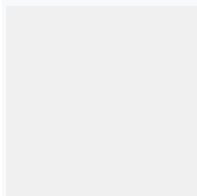
Select one:

○ Developer

◉ Manager

○ Designer

○ Customer

Feedback
The correct answer is: Manager

Question 3

Correct
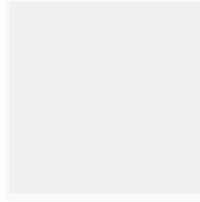
Mark 1.00 out of 1.00

Flag question

Question text

Extreme Programming is much more flexible with possible changes within iterations

Select one:

◉ True

○ False

Question 4

Correct

Mark 1.00 out of 1.00
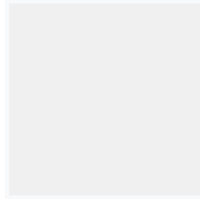
Flag question

Question text

In coding phase, the actual code is created by implementing specific XP practices like _____

Select one:

◉

Metaphor

○

Small Releases

○

Testing

○

Planning Game

Question **5**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Which of the following are considered as the Extreme Programming(XP) Values?

Select one or more:

☐

Refactoring

☑

Simplicity

☑

Respect

☐

Testing

Question **6**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Extreme programming gives priority to the actual coding over all other tasks such as documentation to ensure that the customer receives something substantial in value at the end of the day

Select one:

○ True

○ False

Question 7
Correct

Mark 1.00 out of 1.00
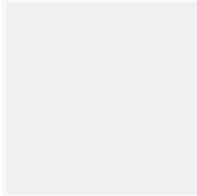
Flag question

Question text
_____ is a daily activity whose value hinges not only on the technical aspects but also upon team communication and the big picture behind the project

Select one:

⦿

Daily Stand-up

○

Pair Programming

○

Acceptance Test

○

Small Releases

Question 8
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Which of the following phases in Extreme Programming uses CRC cards to contribute ideas?

Select one:

○ Coding

◉ Designing

○ Testing

○ Planning

Question 9
Correct
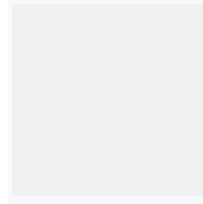
Mark 1.00 out of 1.00

Flag question

Question text
Extreme Programming works towards providing iterative and recurrent software releases throughout the project.

Select one:

◉ True

○ False

Question 10
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Which of the following practices requires two programmers to work jointly on the same code?

Select one:

○ Metaphor

○ Planning Game

○ Collective Ownership

◉ Pair Programming

Feedback
The correct answer is: Pair Programmin

Code written using the same rules encourages collective ownership.

Select one:

◉ True

○ False

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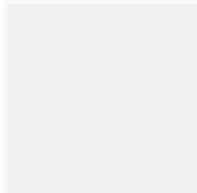
Mark 1.00 out of 1.00

Flag question

Question text
Which of the following phases is related to simplicity, one of the main XP values?

Select one:

○

Testing

○

Planning

○

Coding

◉

Designing

Question **3**
Correct

Mark 1.00 out of 1.00

Question text
Which of the following phases is about constant communication and feedback?

Select one:

○

Planning

○

Coding

○

Designing

◉

Listening

Question **4**
Correct

Mark 1.00 out of 1.00

Question text
Scrum has sprints that are shorter taking 1 to 2 weeks , while XP iterations are 2 to 4 weeks long.

Select one:

○ True

◉ False

Question **5**

Correct

Mark 1.00 out of 1.00
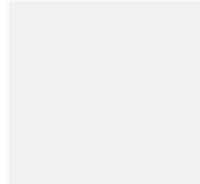
Flag question

Question text

Each feedback of the customer becomes the basis of a new design, and the process of design-coding-tests-listening repeats itself.

Select one:

◉ True

◯ False

Question **6**

Correct

Mark 1.00 out of 1.00
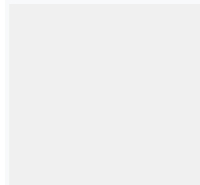
Flag question

Question text

In Continuous Integration, while the first developer focuses on writing, the other one reviews code and suggests improvements.

Select one:

◯ True

◉ False

Question **7**

Correct

Mark 1.00 out of 1.00

Flag question

Question text
Which of the following roles in Extreme programming is optional?

Select one:

○

Coach

○

Customer

◉

Tracker

○

Developer

Question **8**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Which of the following provides peer feedback in seconds?

Select one:

○

Unit testing

○

Acceptance test

◉

Pair programming

○

Code Review

Question **9**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
In Extreme Programming, Customer writes/collects stories, whereas in DSDM, facilitated workshops identify high level requirements.

Select one:

⦿ True

○ False

Question **10**
Correct

Mark 1.00 out of 1.00
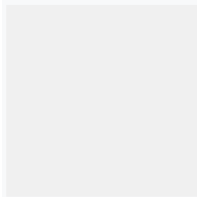
Flag question

Question text
Which of the following roles in Extreme Programming is an external consultant?

Select one:

○

Tracker

⦿

Coach

○

Manager

○

Customer

Lean management encourages shared responsibility and shared leadership

Select one:

◉ True

○ False

Question 2
Correct

Mark 1.00 out of 1.00
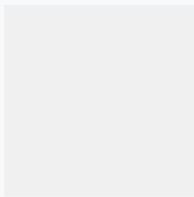
Flag question

Question text
Which of the following pillars of Lean management gives employees an opportunity to master their craft?

Select one:

○

Continuous Improvement

◉

Respect For People

○

Value Stream Mapping

○

Identify Value

Question 3
Correct
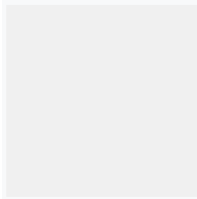
Mark 1.00 out of 1.00

Flag question

Question text
_____ represent different stages of the workflow.

Select one:

○

Kanban Cards

○

Kanban Swimlanes

○

Kanban Rows

◉

Kanban Columns

Question 4
Correct

Mark 1.00 out of 1.00

Question text

Which of the following allow teams to divide the development process into smaller, manageable segments?

Select one:

◉

Agile Kanban Boards

○

Kanban Bin Systems

○

Online Kanban Boards

○

Excel Kanban Boards

Feedback

The correct answer is: Agile Kanban Boards

Question 5

Correct

Mark 1.00 out of 1.00

Question text

Which of the following Kanban Metrics measures the total amount of work delivered in a certain time period?

Select one:

◉

Throughput

○

Cumulative Flow Diagram

○

Cycle Time

○

Work In Progress

Question **6**
Correct

Mark 1.00 out of 1.00
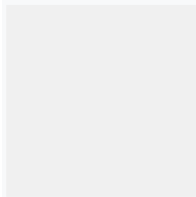
Flag question

Question text
You can start building the Kanban system by setting up Kanban board with _____ as one of it's basic columns.

Select one:

○

Over

○

Completed

◉

Requested

○

Required

Question **7**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Kanban card represents the actual state of your workflow with all its risks and specifications.

Select one:

○ True

● False

Question 8
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Kanban focuses on visualization, flow, and limiting work in progress.

Select one:

● True

○ False

Question 9
Correct

Mark 1.00 out of 1.00

Flag question

Question text

WIP limits point out areas of chronic idleness or overload.

Select one:

- ⦿ True

- ○ False

Question **10**

Correct

Mark 1.00 out of 1.00
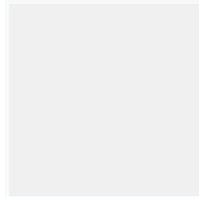
Flag question

Question text

Which of the following helps to facilitate collaboration between product managers and designers for prioritizing and designing features?

Select one:

- ○

Product Feedback Board

- ○

Online Kanban Board

- ⦿

Product Design Board

- ○

Simple Development Kanban Board

For teams and companies that want to be more agile, implementing feedback loops is a mandatory step

Select one:

◉ True

○ False

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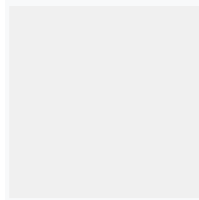
Mark 1.00 out of 1.00

Flag question

Question text
Each column on the Kanban board represents a work item.

Select one:

○ True

◉ False

Question **3**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Which of the following are the pillars of Lean methodology?

Select one or more:

☑

Respect for people

☑

Continuous improvement

☐

Eliminate waste

☐

Identify value

Question **4**
Correct
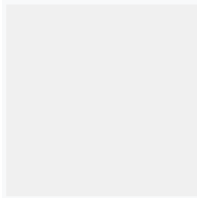
Mark 1.00 out of 1.00

Flag question

Question text
It is wise to provide an indication and a reason, whenever WIP limit exceeds in Kanban.

Select one:

⦿ True

◯ False

Question **5**
Correct

Mark 1.00 out of 1.00
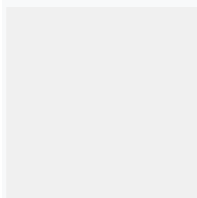
Flag question

Question text
Which of the following Kanban Key Metrics measures how much time a task spends going through the process?

Select one:

○

Cycle Time

○

Throughput

○

Work In Progress

○

Cumulative Flow Diagram

Question **6**
Correct
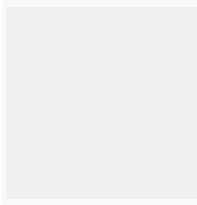
Mark 1.00 out of 1.00

Flag question

Question text
Any other activity or process that doesn't bring value to the end product is considered waste

Select one:

◉ True

○ False

Question **7**
Correct

Mark 1.00 out of 1.00
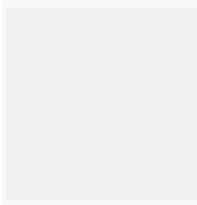
Flag question

Question text

Which of the following are the benefits of Kanban Board?

Select one or more:

☐

Tasks cannot be changed at any time

☑

No pre-fixed release schedule

☑

Tasks are ordered by priority

☑

No fixed sprints

Question **8**
Correct

Mark 1.00 out of 1.00
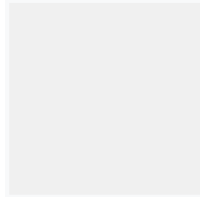
Flag question

Question text
Which of the following uses laptop, tablet or smartphone to visualize, manage your workflow, and engage in real-time collaboration on various projects with the team members?

Select one:

○

Excel Kanban Boards

○

Agile Kanban Boards

○

Kanban Bin Systems

◉

Online Kanban Boards

Feedback

Question **9**
Correct

Mark 1.00 out of 1.00
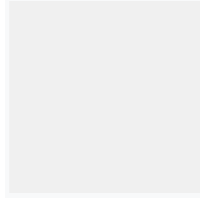
Flag question

Question text
You can either use a limit on the total number of tasks that can be in progress simultaneously on your board or put individual limits on each stage of your workflow.
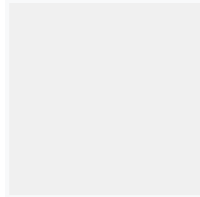
Select one:

◉ True

○ False

Question **10**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Conducting Daily stand up meeting is one of the techniques used for continuous improving the process.

Select one:

◉ True

○ False

devops

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

Select one:

◉ True

◯ False

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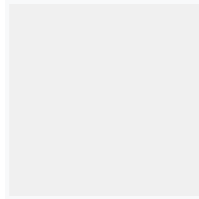
Mark 1.00 out of 1.00

Flag question

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

Select one:

◯

Jenkins

◯

GitLab

◉

Bamboo

◯

TeamCity

Question **3**
Correct

Mark 1.00 out of 1.00

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

Select one:

○

Deploy

○

Operate

○

Release

◉

Monitor

The correct answer is: Monitor

Question 4
Correct

Mark 1.00 out of 1.00

Question text
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

○

Bamboo

⊙

TeamCity

○

Jenkins

Question **5**
Correct
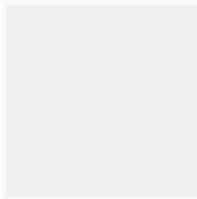
Mark 1.00 out of 1.00

Flag question

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

Select one:

⊙ True

○ False

Question **6**
Correct

Mark 1.00 out of 1.00
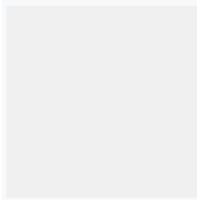
Flag question

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

Select one:

○

Azure pipeline

◉

AWS codpipeline

○

GitLab pipeline

○

Bitbucket pipeline

Question **7**
Correct
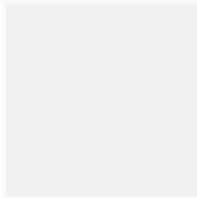
Mark 1.00 out of 1.00

Flag question

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

Select one:

◉ True

○ False

Question **8**
Correct
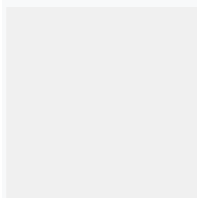
Mark 1.00 out of 1.00

Flag question

Question text
Which of the following CI/CD toolsprovides support for .Net framework?
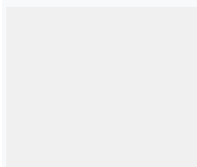
Select one:

◉

TeamCity

○

Bamboo

○

GitLab

○

CircleCI

Question **9**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
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 Delivery

○

Continuous monitoring
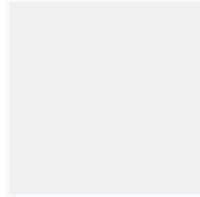
◉

Continuous Deployment

○

Continuous Integration

Question **10**

Correct

Mark 1.00 out of 1.00

Flag question

Question text
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

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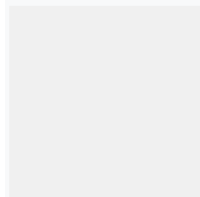
Select one:

◉ True

○ False

Question 2
Correct

Mark 1.00 out of 1.00

Flag question

Question text
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 Delivery

○

Continuous Monitoring
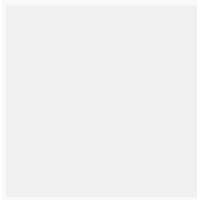
◉

Continuous Integration

○

Continuous Deployment

Question **3**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
You can either define the pipeline using YAML syntax or through the user interface in Azure pipeline
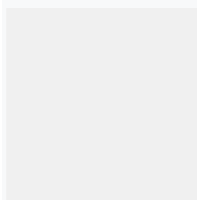
Select one:

◉ True

○ False

Question **4**
Correct

Mark 1.00 out of 1.00

Flag question

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

Select one or more:

☑

Azure Boards

☐

Azure Agents
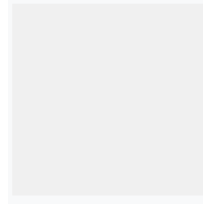
☑

Azure Artifacts

☑

Azure Repos

Question 5
Correct

Mark 1.00 out of 1.00

Flag question

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

Select one:

○

TeamCity
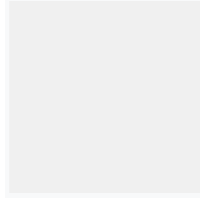
◉

CircleCI

○

GitLab

○

Bamboo

Feedback

Question **6**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
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
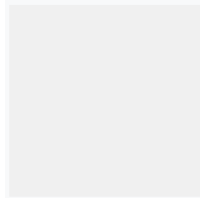
○

Trello Board

◉

Version control system

○

Repository

Question **7**
Correct

Mark 1.00 out of 1.00

Flag question

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

Select one:

○

Continuous Deployment

○

Continuous Monitoring
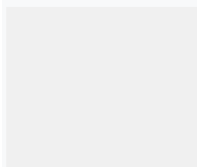
○

Continuous Integration

◉

Continuous Delivery

Question 8
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Pipe uses a script that lives in a Docker container
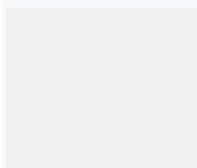
Select one:

◉ True

○ False

Question 9
Correct

Mark 1.00 out of 1.00

Flag question

Question text

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

Select one:

◉

Jenkins

○

TeamCity

○

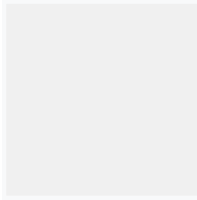Bamboo

○

CircleCI

Question **10**
Correct

Mark 1.00 out of 1.00

Flag question

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

Select one:

○ True

◉ False

Question **1**
Correct

Mark 1.00 out of 1.00

Question text
Jenkins pipeline definition is written in text files called_____

Select one:

○ jenkinsfolder

○ jenkins pipeline

○ jenkins file

⦿ jenkinsfile

Question 2
Correct

Mark 1.00 out of 1.00

Question text
Complex pipelines are difficult to write and maintain in classic UI
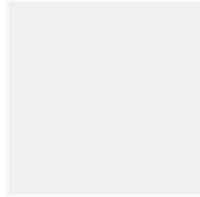
Select one:

⦿ True

○ False

Question 3

Correct

Mark 1.00 out of 1.00

Question text

Which built-in utility is used for creating bits of code for individual steps as well as discovering new steps provided by the plugins?

Select one:
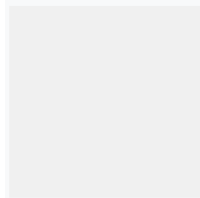
○

functionlist

◉

Snippet Generator

○

jenkinsfolder

○

Pipeline

Feedback

The correct answer is: Snippet Generator

Question **4**

Correct

Mark 1.00 out of 1.00

Question text

_____ is a machine that can be a part of the Jenkins environment and it is capable of executing a Pipeline.
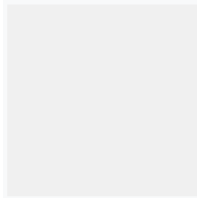
Select one:

◉

Node

○

Pipeline

○

step

○

stage

Question **5**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Document is also linked as _____ in the side bar in pipeline project

Select one:

◉

pipeline syntax

○

function syntax
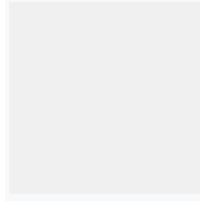
○

variable syntax

○

filtered syntax

Question **1**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Which type of pipeline syntax has more recent feature of jenkins pipeline

Select one:
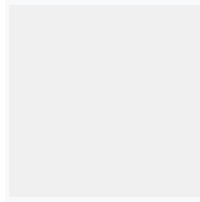
○

scripted

○

function

○

variable

◉

declarative

Feedback
The correct answer is: declarative

Question **2**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Continuous delivery pipeline is a process which involves building the software in reliable and repeatable manner
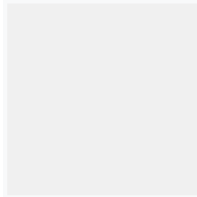
Select one:

◉ True

○ False

Question **3**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
_____helps you to setup a pipeline project and automatically creates and writes your pipeline

Select one:

○
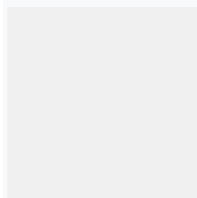
Classic UI

○

variables

○

scm

◉

Blue ocean

Question **4**
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Which one enables you to implement different jenkinsfiles for different branches of the same project?

Select one:

○

Environment variables
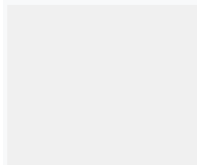
○

Classic UI

○

single branch

◉

Multibranch

Question 5
Correct

Mark 1.00 out of 1.00

Flag question

Question text
Pipelines can be created through_____

Select one or more:

☐

step functions

☑

Blue ocean

☑

Classic UI

☐

variables