

Week 3 - Quiz

Question 1

0 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, is the following statement true or false?

"The IT lifecycle is the series of stages which an IT capability goes through from its inception to its retirement from use."

Correct Answer

☐ True

You Answered

☒ False

Question 2

0.33 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, what did development teams focus on in traditional deployment? (Select all that are applicable).

Correct!

☒ Non-Functional Requirements

Correct!

☒ Features

You Answered

☒ Functional Requirements

Correct Answer

☐ Functionality

Question 3

0 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, what did operational teams **NOT** focus on in traditional deployment? (Select all that are applicable).

☐ Manageability

☐ Schedule

☐ Cost

☒ Risk

☐ Security

☐ Reliability

Correct Answer

You Answered

Question 4

1 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, what term does the following definition best match?

"A temporary, time bound, endeavour undertaken to create a unique result."

☐ Task

☒ Project

☐ Program

☐ Portfolio

Correct!

Question 5

0 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, match the following factors to the description that best describes each factor.

You Answered

Agile approaches

The integratio

Iterative,
small scale,
incremental,
collaborative,
and cross-
functional
teams (that
cut across
silos)

You Answered

DevOps

Iterative, smal

The
integration
of
development
and testing,
continuous
releases, and
cross-
functional
teams

You Answered

Value stream
approaches

Processes that ▾

Customer-
focused
orchestration
of business
and IT
capabilities
to create a
value stream
using cross-
functional
teams

You Answered

IT service
management
(ITSM)

Customer-foci ▾

Processes
that align all
aspects of
development,
operation,
and use of IT
with a
business -
from strategy
to
continuous
improvement

Question 6

0.4 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, order the elements of the Continuous IT Lifecycle from 1 - 5.

Noting that it is a *continuous loop* order the elements so that 1 is where it starts and 5 is the last element before the loop starts again.

You Answered

Planning the
development
(aligned with
business strategy)

3



1

Correct!

Establishing requirements, designing, building (or acquiring), testing

2



You Answered

Deploying to the live environment (integrating with other e.g. other applications, middleware, operating systems), maintaining service levels (e.g. troubleshooting) and measuring performance

5



Correct!

Monitoring the
value to the
organisation

4



You Answered

Depending on the
results of the
monitoring a new
planning process
would begin for
refinements and
improvements,
making the cycle
continuous.

1



5

Question 7

0 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, in which of the following frameworks and approaches is the idea of continuous IT Lifecycle reflected? (Select all that are applicable).

You Answered

☒ Hybrid

You Answered

☒ Waterfall

Correct!

☒ ITSM

Correct!

☒ DevOps

Correct Answer

☐ Agile

Question 8

1 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, is the following statement true or false?

"Enterprise architecture is a way of addressing complexity and change on a large scale."

Correct!

☒ True

☐ False

Question 9

0.25 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, which of the following architecture domains are the four interrelated areas of specialisation that TOGAF is based on? (Select all that are applicable).

You Answered

☒ Software

Correct!

☒ Data

Correct Answer

☐ Business

Correct!

☒ Technical

You Answered

☒ Functional

Correct!

☒ Application

Question 10

0.5 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, match the following architecture domains that TOGAF is based on to the explanations that best describe the four interrelated areas of specialisation.

You Answered

Business
architecture

Describes the ▼

Defines the
business
strategy,
governance,
organization,
and key
business
processes of
the
organization

You Answered

Data architecture

Defines the bu ▾

Describes the structure of an organization's logical and physical data assets and the associated data management resources

Correct!

Applications architecture

Provides a blue ▾

Provides a blueprint for the individual systems to be deployed, the interactions between the application

Correct!

Technical architecture

Describes the ▾

Correct!

Applications architecture

Provides a blue ▾

Correct!

Technical architecture

Describes the ▾

Describes the hardware, software, and network infrastructure needed to support the deployment of co

Question 11

0.75 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, which of the following are benefits of Enterprise Architecture? (Select all that are applicable).

Correct!

☒ Improved decision-making

You Answered



Optimisation of the use of organisational resources but not capabilities

Correct!



Elimination of inefficient and redundant processes

Correct!



Facilitates collaboration across the organisation

Correct!



Improved adaptability to changing demands

Question 12

0.5 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, which of the following are stages in the Deming Cycle? (Select all that are applicable).

You Answered

☒ Define

Correct!

☒ Check

You Answered

☒ Modify

Correct!

☒ Act

Correct!

☒ Plan

Correct!

☒ Do

Question 13

Based on the Week 3 Lecture - *The IT Lifecycle*, finish the following definition by selecting the most appropriate phrase.

"ITSM is a strategic approach to IT management to deliver value to customers continuously with _____ and _____."

☐

decreased efficiency and decreased effectiveness.

You Answered

☒

decreased efficiency and increased effectiveness.

Correct Answer

☐

increased efficiency and increased effectiveness.

☐

increased efficiency and decreased effectiveness.

Question 14

0.67 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, how does DevOps create business value? (Select all that are applicable).

You Answered

☒ Decreasing software reliability and flexibility

Correct!



Enabling a faster time to market to quickly seize market opportunities

Correct!



Facilitating innovation

Correct!



Enhancing customer experiences from faster feedback cycles

Question 15

1 / 1 pts

Based on the Week 3 Lecture - *The IT Lifecycle*, DevOps is an approach to delivering value from investment in IT capabilities based on agile principles.

Correct!

☒ True

☐ False