Software engineering - LAB MCQs Exam

Eng ˙sh ⌄

← Dashboard (https://www.parikshado.com/oldwebsite/dashboard)

1 of 40

Under which type of thinking strategy does Brainstorming fall?

1 ◯ Decision thinking

2 ◯ Analytic Thinking

3 ◯ Compassionate Thinking

4 ◯ Creative Thinking ✔

Solution -

Creative Thinking

2

2 of 40

Which of the following is not a goal of the WebDriver API?

1 ⚪ Emulate actions of users.

2 ⚪ Provide record and playback of test steps. ✔

3 ⚪ Maintain a standardized API.

4
⚪ Help developers and testers quickly and easily write automated tests.

Solution -

Provide record and playback of test steps.

3 of 40

In WebDriver_____command can be used to enter values onto text boxes?

1 ⚪ selenium.type()

2 ⚪ type()

3 ⚪ sendkeys("text")

4 ⚪ driver.type("text") ✔

Solution -

driver.type("text")

4 of 40

Which is true about Kubernetes?

1

⚪ Integrated Kubernetes solutions are available from most major cloud

✔ providers.

2

○ Kubernetes is best suited to test environments and isn't mature enough

for production use.

3 ○ Kubernetes is one of the newest orchestration platforms.

4 ○ It can only run Kubernetes containers.

Solution -

Integrated Kubernetes solutions are available from most major cloud
providers.

5 of 40

Which of the following views cannot be captured using UML diagram

1 ○ layer view

2 ○ User view

3 ○ Structural view

4 ○ All of the above ✔

Solution -

All of the above

6 of 40

Which feature of OOPs helps in code reusability?

1 ○ Class

2 ○ Abstraction

3 ○ Inheritance ✔

4 ◯ Object

Solution -

Inheritance

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7 of 40

What is the basic operational unit of kubernetes?

1 ◯ Task

2 ◯ Pod ✔

3 ◯ Nodes

4 ◯ Container

Solution -

Pod

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8 of 40

Which of the following AWS services enables users to launch VM instances?

1 ◯ AWS EC2 ✔

2 ◯ AWS S3

3 ◯ AWS Lambda

4 ◯ AWS EBS

Solution -

AWS EC2

9 of 40

DevOps is an extension of:

1 ◯ QA

2 ◯ Agile ✔

3 ◯ Waterfall

4 ◯ None of the above

Solution -

Agile

10 of 40

Principles 1, 8, 9 and 10 of the Agile Manifesto describe prioritizing high-value work. What's a common way that agile teams prioritize their work?

1 ◯ They create a ranked list of what the customer finds valuable. ✔

2 ◯ They create detailed project requirements.

3
◯ They meet with the customer to plan everything in the product before
they start working.
4 ◯ They prioritize the work that would be the easiest to develop

Solution -

They create a ranked list of what the customer finds valuable.

11 of 40

What is unique about Docker swarm?

1 ◯ Docker swarm uses a MCP or "Master Control Program" to orchestrate system access.

2 ◯ Docker swarm is much more decentralized than the other container platforms.

3 ◯ Docker swarm is more centralized than the other platforms. ✔

4 ◯ Docker swarm can run both VMs and containers.

Solution -

Docker swarm is more centralized than the other platforms.

12 of 40

Which of the following Agile methodology advocates the use of problem domain?

1 ◯ Evo

2 ◯ Scrum

3 ◯ Extreme programming (XP)

4 ◯ Feature-Driven Development (FDD) ✔

Solution -

Feature-Driven Development (FDD)

13 of 40

Which of the following languages is supported by Selenium WebDriver?

1 ◯ Perl ✔

2 ◯ C

3 ○ ASP

4 ○ C++

Solution -

Perl

14 of 40

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

1 ○ Storage

2 ○ Application

3 ○ CPU

4 ○ All of the above ✔

Solution -

All of the above

15 of 40

In YAML, Explicit Tags are denoted using the symbol?

1 ○ exclamation point (!) ✔

2 ○ pipe character (I)

3 ○ greater-than symbol (>)

4 ○ question mark (?)

18 of 40

UML supports _____ phases of software development

1 ○ earlier

2 ○ final

3 ○ Middle

4 ○ All of the above ✔

Solution -

All of the above

19 of 40

Which of the following Docker command is used to access the running container?

1 ○ docker run

2 ○ docker exec ✔

3 ○ docker build

4 ○ docker pull

Solution -

docker exec

20 of 40

Which of the following is not a version control system tool?

1 ○ git

2 ○ mercurial

3 ○ Jenkins ✔

4 ○ AWS Code Commit

Solution -

Jenkins

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21 of 40

What is the ideal sprint length in an Aglile Development Model?

1 ○ 2-4 weeks ✔

2 ○ 1 week

3 ○ 3-5 weeks

4 ○ 3 weeks

Solution -

2-4 weeks

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22 of 40

In Jenkins, a _____ is used to display record of multiple builds.

1 ○ Weather Icon

2 ○ Coloured ball ✔

3 ○ Coloured Square

4 ○ Coloured ball and weather icon

Solution -

Coloured ball

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23 of 40

What comprises an infrastructure as a service (IaaS) model?

1 ◯ third-party improvements with software and hardware, which are difficult

to offer when hosted internally.

2 ◯ increased speed and virtualization for an organization.

3 ◯ third-party provider that hosts, services, and maintains all aspects of the

✔ system on behal the end user.

4 ◯ increased help on logic and coding issues for an organization's

proprietary system.

Solution -

third-party provider that hosts, services, and maintains all aspects of the
system on behal the end user.

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24 of 40

_____is responsible for full software development life cycle
whlie_____ is responsible for software testing life cycle.

1 ◯ Quality assurance, Quality control ✔

2 ◯ Quality control, Quality assurance,

3 ◯ Quality assertain, Quality control

4 ◯ Quality control, Quality control

Solution -

Quality assurance, Quality control

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25 of 40

Which of the following is the git command to download all the objects and references from a specific repository?

1 ○ git log -n

2 ○ git fetch ✔

3 ○ git help

4 ○ git config –list

Solution -

git fetch

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26 of 40

Which of the following activities is NOT fundamental to software engineering?

1 ○ Software standardization ✔

2 ○ Software Specification

3 ○ Software validation

4 ○ Software evolution

Solution -

Software standardization

27 of 40

Which of the following statements is TRUE for an API gateway?

(**1**) ○ API Gateway is not the single entry point into a system

(**2**) ○ API Gateway is not responsible for request routing

(**3**) ○ API Gateway is a server ✔

(**4**) ○ API Gateway is not responsible for load balancing

Solution -

API Gateway is a server

28 of 40

Which one of the following technique is applied for usability testing?

(**1**) ○ White box

(**2**) ○ Black box ✔

(**3**) ○ Grey box

(**4**) ○ All of the above

Solution -

Black box

29 of 40

For project management, Jira is used for _____.

(**1**) ○ segmenting, executing, accounting, and reporting

(**2**) ○ planning, tracking, reporting, and releasing

3 ◯ brainstorming, exploring, planning, and executing ✔

4 ◯ motivating, grouping, analyzing, and plotting

Solution -

brainstorming, exploring, planning, and executing

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30 of 40

Which of the following command create an empty git repository or reinitialize an existing one?

1 ◯ git create

2 ◯ git init ✔

3 ◯ git initialize

4 ◯ git launch

Solution -

git init

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31 of 40

Which one of the folllowing is delivered at the end of the Sprint?

1 ◯ A document containing test cases for the current sprint

2 ◯ An architectural design of the solution

3 ◯ An increment of done software ✔

4 ◯ Wireframes designs for User Interface

Solution -

An increment of done software

32 of 40

Some of the agile frameoworks are_____.

1 ○ Scrum & kanban

2 ○ Test given development

3 ○ Feature given development

4 ○ Dynamic system development method ✓

Solution -

Dynamic system development method

33 of 40

Which of the following is the main advantage of deploying a 4GT model for producing small-scale products, programs, and applications?

1 ○ The productivity of software engineers is improved.

2 ○ The time required for developing software is reduced.

3
○ CASE tools and code generators help the 4GT model by providing a
✓ credible solution to their problems.

4 ○ None of the above

Solution -

CASE tools and code generators help the 4GT model by providing a credible solution to their problems.

34 of 40

What is true of protocol Aware Heterogeneous Interoperability for microservices?

(**1**) ◯ Systems call other systems to do work.

(**2**)
◯ All communications within the service boundaries are solved via ReST.

(**3**) ◯ All communications use any technology they want. ✔

(**4**) ◯ There is polyg st development everywhere.

Solution -

All communications use any technology they want.

35 of 40

Which of the following architectural layer is used as front end in cloud computing

(**1**) ◯ Cloud

(**2**) ◯ Client ✔

(**3**) ◯ Middle layer

(**4**) ◯ Soft

Solution -

Client

36 of 40

What is the practice of every change going through full automated

enviornment?

1 ◯ Continuous Integration

2 ◯ Continuous Delivery

3 ◯ Continuous Denigration

4 ◯ Continuous Deployment ✔

Solution -

Continuous Deployment

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37 of 40

Which command is used to push the code into git staging area?

1 ◯ git pull

2 ◯ git add ✔

3 ◯ git push

4 ◯ git commit

Solution -

git add

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38 of 40

At the core of a good regression test, we are making certain that_____.

1 ◯ no bugs exist

2 ◯ all bugs are fixed

3 ◯ nothing new has broken ✔

4 ◯ new bugs are identified

Solution -

nothing new has broken

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39 of 40

What is the need for DevOps?

1 ◯ Decrease deployment frequency

2 ◯ Lower success rate of new releases ✔

3 ◯ Longer Development Cycle

4 ◯ Enhanced Version Control

Solution -

Lower success rate of new releases

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40 of 40

_____ provides complete isolation from the host operating system and the other Virtual Machines (VMs), so it is fully secure.

1 ◯ Vitualization

2 ◯ Containerization ✔

3 ◯ Security

4 ◯ Cloud

Solution -

Containerization