Question # 1

Revisit

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

Choose the best option

- ○ git create
- ✓ git init
- ○ git initialize
- ○ git launch

Question # 2

Revisit

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

Choose the best option

- ○ Evo
- ○ Scrum
- ○ Extreme programming (XP)
- ✓ Feature-Driven Development (FDD)

Question # 3

Revisit
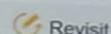
Which of the following is NOT a property of the Waterfall Model?

Choose the best option

- ○ Software development cascades from one phase to another
- ○ It is a plan-driven process
- ○ Software development is incremental in nature
- ○ Iterations can be costly and involve significant rework

Question # 4

Revisit

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

Choose the best option

- ○ Weather Icon
- ○ Coloured Ball
- ○ Coloured Square
- ○ Coloured Ball and Weather Icon

Question # 5

Revisit
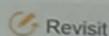
The ability to scale in microservices architecture comes from the fact that _____.

Choose the best option

- ○ CI/CD pipelines allow for scaling
- ○ there are more CPU and Memory footprints in cloud providers
- ○ RESTful calls are always used.
- ○ artifacts are single purpose and separated

Question # 6

Revisit

Match the following Types of Focus Groups with their appropriate description:

1	Two-way focus group	A	Two moderators are present but they take completely opposite stands
2	Dual moderator focus group Model 1	B	Respondents are asked to act as the moderator temporarily
3	Dual moderator focus group Model 2	C	Two focus groups are used
4	Respondent moderator focus group	D	One moderator into the discipline and the other moderator looks into the content flow

Choose the best option
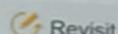
- ○ 1-C, 2-D, 3-A, 4-B
- ○ 1-C, 2-A, 3-D, 4-B
- ○ 1-B, 2-D, 3-A, 4-C
- ○ 1-B, 2-A, 3-D, 4-C

Question # 7

What comprises an Infrastructure as a Service (IaaS) model?

Choose the best option
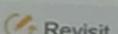
- ○ third-party improvements with software and hardware, which are difficult to offer when hosted internally.
- ○ increased speed and virtualization for an organization.
- ○ third-party provider that hosts, services, and maintains all aspects of the system on behalf of the end user.
- ○ increased help on logic and coding issues for an organization's proprietary system.

Question # 8

Revisit

What is the practice of every change going through full automated testing and being deployed automatically to the production environment?

Choose the best option

- ○ Continuous Integration
- ○ Continuous Delivery
- ○ Continuous Denigration
- ○ Continuous Deployment

Question # 9

Revisit

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

Choose the best option

- ○ Storage
- ○ Application
- ○ CPU
- ○ All of the above

Question # 10
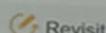
For project management, Jira is used for_____.

Choose the best option

- ○ segmenting, executing, accounting, and reporting
- ○ planning, tracking, reporting, and releasing
- ○ brainstorming, exploring, planning, and executing
- ○ motivating, grouping, analyzing, and plotting

Question # 11

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

Revisit

Choose the best option

- ○ 2 - 4 weeks
- ○ 1 week
- ○ 3 - 5 weeks
- ○ 3 weeks

Question # 12
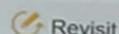
Which of the following Docker command is used to access the running container?

Revisit

Choose the best option

- ○ docker run
- ○ docker exec
- ○ docker build
- ○ docker pull

Question # 13
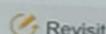
Which feature of OOPs helps in code reusability?

Revisit

Choose the best option

- ○ Class
- ○ Abstraction
- ○ Inheritance
- ○ Object
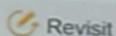
Question # 14

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

Revisit

Choose the best option

- ○ Cloud
- ○ Client
- ○ Middle Layer
- ○ Soft
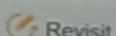
Question # 15

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

Revisit

Choose the best option

- ○ AWS EC2
- ○ AWS S3
- ○ AWS Lambda
- ○ AWS EBS

Question # 16

Which of the following views cannot be captured using UML diagram?

Revisit

Choose the best option

- ○ Layer view
- ○ User view
- ○ Structural view
- ○ All of the above

Question # 17

Which is true about Kubernetes?

Choose the best option

- ○ Integrated Kubernetes solutions are available from most major cloud providers.
- ○ Kubernetes is best suited to test environments and isn't mature enough for production use.
- ○ Kubernetes is one of the newest orchestration platforms.
- ○ It can only run Kubernetes containers.

Question # 18

What is the basic operational unit of Kubernetes?

Revisit

Choose the best option

- ○ Task
- ○ Pod
- ○ Nodes
- ○ Container
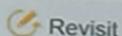
Question # 19

Which of the following languages is supported bySelenium WebDriver?

Revisit

Choose the best option

- ○ Perl
- ○ C
- ○ ASP
- ○ C++

Question # 20

☞ Revisit

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

Choose the best option

- ○ Virtualization
- ○ Containerization
- ○ Security
- ○ Cloud

Question # 21
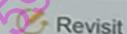
What is unique about Docker swarm?

Choose the best option

- ○ Docker swarm uses a MCP or "Master Control Program" to orchestrate system access.
- ○ Docker swarm is much more decentralized than the other container platforms.
- ○ Docker swarm is more centralized than the other platforms.
- ○ Docker swarm can run both VMs and containers.

Question # 22
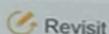
DevOps is an extension of:

☞ Revisit

Choose the best option

- ○ QA
- ○ Agile
- ○ Waterfall
- ○ None of the above

Question # 23

☞ Revisit
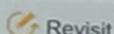
_____ is responsible for full software development life cycle while _____ is responsible for software testing life cycle.

Choose the best option
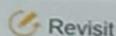
- ○ Quality Assurance, Quality Control
- ○ Quality Control, Quality Assurance
- ○ Quality Assertion, Quality Control
- ○ Quality Control, Quality Assertion

Question # 24

☞ Revisit

Under which type of thinking strategy does Brainstorming fall?

Choose the best option

- ○ Decision Thinking
- ○ Analytic Thinking
- ○ Compassionate Thinking
- ○ Creative Thinking

Question # 25

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

Revisit

Choose the best option

- ○ no bugs exist
- ○ all bugs are fixed
- ○ nothing new has broken
- ○ new bugs are identified

Question # 26

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

Revisit

Choose the best option
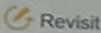
- ○ Software Standardization
- ○ Software Specification
- ○ Software Validation
- ○ Software Evolution

Question # 27

Some of the agile frameworks are_____.

Revisit

Choose the best option

- ○ Skrum & Canban
- ○ Test Given Development
- ○ Feature Given Development
- ○ Dynamic System Development Method

Question # 28

Revisit
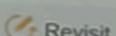
Match the following Types of Testing with their appropriate description:

1	Black-Box Testing	A	Also known as Structural Testing
2	White-Box Testing	B	Also known as Translucent Testing
3	Grey-Box Testing	C	Also known as Functional Testing

Choose the best option

- ○ 1-C, 2-A, 3-B
- ○ 1-B, 2-C, 3-A
- ○ 1-A, 2-B, 3-C
- ○ 1-B, 2-A, 3-C

Question # 29

In WebDriver _____ command can be used to enter values onto text boxes?

Revisit

Choose the best option

- ○ selenium.type()
- ○ type()
- ○ sendKeys("text")
- ○ driver.type("text")

Question # 30

🔄 Revisit

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

Choose the best option

○ API Gateway is not the single entry point into a system

○ API Gateway is not responsible for request routing

○ API Gateway is a server

○ API Gateway is not responsible for load balancing

Question # 31

🔄 Revisit

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

Choose the best option

○ A document containing test cases for the current sprint

○ An architectural design of the solution

○ An increment of done software

○ Wireframes designs for User Interface

Question # 32

🔄 Revisit

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

Choose the best option

○ White box

○ Black box

○ Grey box

○ All of the above

Question # 33

🔄 Revisit

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

Choose the best option

○ git

○ mercurial

○ Jenkins

○ AWS Code Commit

Question # 34

⟳ Revisit

In YAML, Explicit Tags are denoted using the symbol?

Choose the best option

○ exclamation point (!)

○ pipe character (|)

○ greater-than symbol (>)

○ question mark (?)

Question # 35

⟳ Revisit

What is true of Protocol Aware Heterogeneous Interoperability for microservices?

Choose the best option

○ Systems call other systems to do work.

○ All communications within the service boundaries are solved via ReST.

○ All communications use any technology they want.

○ There is polyglot development everywhere.

Question # 36

⟳ Revisit

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

Choose the best option

○ git pull

○ git add

○ git push

○ git commit

Question # 37

⟳ Revisit

What is the need for DevOps?

Choose the best option

○ Decrease deployment frequency

○ Lower success rate of new releases

○ Longer Development Cycle

○ Enhanced Version Control

Question # 38
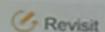
Choose the best option

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

○ Emulate actions of users.

○ Provide record and playback of test steps.

○ Maintain a standardized API.

○ Help developers and testers quickly and easily write automated tests.

Question # 39

⟳ Revisit

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?

Choose the best option

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

○ They create detailed project requirements.

○ They meet with the customer to plan everything in the product before they start working.

○ They prioritize the work that would be the easiest to develop.

Question # 40

⟳ Revisit

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

Choose the best option

○ git log -n

○ git fetch

○ git help

○ git config --list

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