

### Question 1

Which one of the following methodologies does least impact the establishment of DevOps methodology?

- **Choice-1:** Lean Manufacturing.
- **Choice-2:** Agile Software Delivery.
- **Choice-3:** Waterfall Software Delivery.
- **Choice-4:** Continuous Software Delivery.

**Correct Answer:** Choice-3 / Waterfall Software Delivery.

### Question 2

In typical IT organizations why is there a typical conflict between development and operations teams?

- **Choice-1:** Because they come from different backgrounds.
- **Choice-2:** Because development team knows more about software products and services.
- **Choice-3:** Because operations team knows more about test and production environments.
- **Choice-4:** Because they have conflicting business goals and priorities.

**Correct Answer:** Choice-4 / Because they have conflicting business goals and priorities.

### Question 3

Which one of the following techniques makes DevOps a successful methodology to develop and deliver software?

- **Choice-1:** DevOps enables you to organize your teams around your organizational mission.
- **Choice-2:** DevOps enables you to create your software with built-in quality and monitoring.
- **Choice-3:** DevOps enables you to quickly identify, fix and learn from errors.
- **Choice-4:** All above choices.

**Correct Answer:** Choice-4 / All above choices.

### Question 4

Which one of the following statements about DevOps is incorrect?

- **Choice-1:** DevOps is only suitable for start-up companies.

- **Choice-2:** DevOps is suitable for brownfield software products and services.
- **Choice-3:** DevOps is suitable for greenfield software products and services.
- **Choice-4:** Some of the most exemplary DevOps initiatives started in companies with giant and mature IT organizations.

**Correct Answer:** Choice-1 / DevOps is only suitable for start-up companies.

### Question 5

How does a DevOps organization act in principle when it comes to financing its work?

- **Choice-1:** It finances special projects to serve its clients.
- **Choice-2:** It finances products and services to serve its clients.
- **Choice-3:** It finances teams in matrix organizations and these teams are responsible for handling their own budgets.
- **Choice-4:** It finances development and operations teams separately, so they take care of their own business.

**Correct Answer:** Choice-2 / It finances products and services to serve its clients.

### Question 6

In a DevOps organization which one of the following elements does not directly contribute to your value stream?

- **Choice-1:** DevOps team.
- **Choice-2:** Stakeholders of downstream work centers.
- **Choice-3:** Errors, incidents and fixes.
- **Choice-4:** Clients.

**Correct Answer:** Choice-3 / Errors, incidents and fixes.

### Question 7

Why is it a good idea to limit batch size of your continuous DevOps deliveries?

- **Choice-1:** You will be quicker to identify root causes of issues and resolve them.
- **Choice-2:** By continuously delivering in production, your team will have the constant pride of contributing your organizational mission.
- **Choice-3:** Potentially required rollbacks from your production systems will be less cumbersome.
- **Choice-4:** All above choices.

**Correct Answer:** Choice-4 / All above choices.

### Question 8

What is trunk in trunk based DevOps delivery?

- **Choice-1:** Developers collaborate on code in a single branch called “trunk”.
- **Choice-2:** Trunk is a special private branch in a developer workstation.
- **Choice-3:** Trunk is the process of merging code in DevOps deliveries.
- **Choice-4:** Trunk is a special source code version controlling system which stores mission critical special projects of your DevOps organization.

**Correct Answer:** Choice-1 / Developers collaborate on code in a single branch called “trunk”.

### Question 9

Which one of the following is not one of the DevOps principles for good test automation?

- **Choice-1:** Test Automation should give quick and early feedback about your quality of work.
- **Choice-2:** Never mix test driven development (TDD) together with your test automation approach.
- **Choice-3:** Tests should generate consistent, deterministic and repeatable results provided same conditions for different test runs.
- **Choice-4:** With your test automation, avoid slow and periodic feedback. What you need is fast feedback whenever you or your developer attempts to check-in code to your trunk.

**Correct Answer:** Choice-2 / Never mix test driven development (TDD) together with your test automation approach.

### Question 10

Which one of following release patterns does not enable you to do low risk DevOps code deployments in your production systems?

- **Choice-1:** Canary Deployment Pattern (The Dark Launch).
- **Choice-2:** Blue-Green Deployment Pattern.
- **Choice-3:** Cluster Immune System Release Pattern.
- **Choice-4:** Big bang code deployments of fully tested and validated releases.

**Correct Answer:** Choice-4 / Big bang code deployments of fully tested and validated releases.

### Question 11

What is one of best techniques to convert normal changes into standard changes?

- **Choice-1:** Use your track record of successful automated deployments with standard changes.
- **Choice-2:** Negotiate with release managers.
- **Choice-3:** Publicly complain about bureaucracy and make everyone be aware of it.
- **Choice-4:** Make sure normal changes are very carefully deployed to your production systems.

**Correct Answer:** Choice-1 / Use your track record of successful automated deployments with standard changes.

### Question 12

What is a widely used reusable asset to reinforce information security of deliverables from your DevOps team?

- **Choice-1:** Data storage systems.
- **Choice-2:** Handling the logging of sensitive client information.
- **Choice-3:** Data transfer between clients and software.
- **Choice-4:** All above choices.

**Correct Answer:** Choice-4 / All above choices.

### Question 13

What is not one of major benefits of designing a safe system of work culture?

- **Choice-1:** Complexity of your systems will be managed, so problems in designs and operations will be quickly detected.
- **Choice-2:** DevOps team does no longer need to be careful and mindful to ensure quality.
- **Choice-3:** Problems are quickly resolved while they are small. Resolving problems will result in spontaneous construction of new organizational knowledge and experience.
- **Choice-4:** Leaders in your DevOps organization develop other leaders who create and continuously improve safe systems of work.

**Correct Answer:** Choice-2 / DevOps team does no longer need to be careful and mindful to ensure quality.

### Question 14

What is telemetry?

- **Choice-1:** Telemetry is a widely known SaaS tool to plan and execute DevOps projects.
- **Choice-2:** Telemetry is a communication tool used by DevOps teams at geographically distributed locations.
- **Choice-3:** Telemetry is the process of recording the behaviour of your systems.
- **Choice-4:** Telemetry is a tool to design, code and execute automated unit tests.

**Correct Answer:** Choice-3 / Telemetry is the process of recording the behaviour of your systems.

### Question 15

In terms of fixing errors in your production systems what is the major benefit of using feature toggles embedded in configurations of your software applications?

- **Choice-1:** This is easiest way to fix a problem. It doesn't require an urgent code deployment.
- **Choice-2:** You don't have to very urgently correct erroneous pieces in your deployment.
- **Choice-3:** Your DevOps team can take time to properly identify root cause of an issue and improve their techniques to ensure such a problem will not likely happen again in the future.
- **Choice-4:** All above choices.

**Correct Answer:** Choice-4 / All above choices.

### 1. Identify the tool for DevOps?

1. Nagios
2. Jenkins
3. Monit
4. All of the above

**Answer:** All of the above

### 2. What are the requirements to become a DevOps Engineer?

1. Fluency in web languages like Ruby, Python, PHP or Java
2. Interpersonal skills that help you communicate and collaborate across teams and roles
3. Experience with infrastructure automation tools like Chef, Puppet, Ansible, SaltStack or Windows PowerShell DSC

4. All of the above

**Answer: All of the above**

**3. Which of the following key component of DevOps?**

1. Continuous Delivery
2. Continuous Testing
3. Continuous Integration
4. All of the above

**Answer: All of the above**

**4. Which of the following type of Version Control Systems?**

1. Local Version Control Systems
2. Distributed Version Control System
3. Centralized Version Control Systems
4. All of the above

**Answer: All of the above**

**5. What do you mean by telemetry?**

1. Telemetry is a widely known SaaS tool to plan and execute DevOps projects
2. Telemetry is the process of recording the behaviour of your systems.
3. Telemetry is a communication tool used by DevOps teams at geographically distributed locations
4. None of these

**Answer: Telemetry is the process of recording the behaviour of your systems.**

**6. Which of the following isn't a goal of NewOps?**

1. Integrating different operations teams like storage, network, server etc. by removing silos and be aligned with business
2. Serving as an interface between cloud providers and customers.
3. By automating operations, remove the need for human competencies.
4. None of these

**Answer: By automating operations, remove the need for human competencies.**

**7. What do you mean by trunk in trunk based DevOps delivery?**

1. Trunk is the process of merging code in DevOps deliveries.
2. Developers collaborate on code in a single branch called "trunk".
3. Trunk is a special private branch in a developer workstation.
4. None of these

**Answer: Developers collaborate on code in a single branch called "trunk".**

**8. Which of the following statements defines Feature flags?**

1. Feature flags define which parts of an app are deployed during the build process
2. Feature flags define the capabilities for various versions of an application
3. Feature flags are placeholders for future functionality for an app
4. Feature flags allow you to show or hide features in an app

**Answer: Feature flags allow you to show or hide features in an app**

**9. Identify the methodologies does least impact the establishment of DevOps methodology?**

1. Waterfall Software Delivery
2. Lean Manufacturing

3. Continuous Software Delivery
4. Agile Software Delivery

**Answer: Waterfall Software Delivery**

**10. How does DevOps impact security of an application or machine?**

1. Security is increased because of the automation process
2. Security is increased by including it earlier in the process
3. Security is reduced because of the automation process
4. Both 1 & 2

**Answer: Both 1 & 2**

**11. What is DevOps?**

1. A small team of people that own everything related to a particular service
2. Developers performing operations
3. Developers and Operations team members working together
4. None of above

**Answer: A small team of people that own everything related to a particular service**

**12. What is trunk in trunk based devops delivery**

1. Developers collaborate on code in a single branch called trunk
2. Trunk is a special source code version controlling system which stores mission critical special projects of your DevOps organization
3. Trunk is a special private branch in a developer workstation
4. Trunk is the process of merging code in DevOps deliveries

**Answer: Developers collaborate on code in a single branch called trunk**

**13. Which of the following is not a feature of continuous delivery ?**

1. Automate Everything
2. Continuous Improvement
3. Bug fixes and experiments
4. Gathering Requirement

**Answer: Gathering Requirement**

**14. What are the Business advantages of DevOps?**

1. less stable operating environments
2. Faster delivery of features
3. More time available to add value
4. Both 1 & 2

**Answer: Both 1 & 2**

**15. Who is known as the father of DevOps?**

1. Liam Debois
2. Patrick Debois
3. Walter Dandy
4. None of these

**Answer: Patrick Debois**

**16. What is the use of Git?**

1. Version Control System tool
2. Continuous Integration tool
3. Containerization tool
4. Continuous Monitoring tool

**Answer: Version Control System tool**

**17. Which of the following DevOps practice supports The First Way?**

1. Value Stream Mapping
2. Blameless postmortems
3. Shared On-call Rotation
4. Improvement Kata

**Answer: Value Stream Mapping**

**18. When does testing occur in a DevOps environment?**

1. after development but before release
2. during development and after release
3. only after release
4. only during development

**Answer: during development and after release**

**19. Which of the following is not a part of DevOps life cycle \_\_\_\_\_**

1. Code
2. Plan
3. Build
4. Operating

**Answer: Operating**

**20. What is one of best techniques to convert normal changes into standard changes?**

1. Negotiate with release managers
2. Use your track record of successful automated deployments with standard changes
3. Publicly complain about bureaucracy and make everyone be aware of it
4. None of these

**Answer: Use your track record of successful automated deployments with standard changes**

**21. What do you mean by DevOps?**

1. Developers taking over all Operations tasks.
2. The collaboration and communication of both software developers and other information-technology (IT) professional while automating the process of software delivery and infrastructure changes
3. Automating the process of software delivery and infrastructure changes
4. None of these

**Answer: The collaboration and communication of both software developers and other information-technology (IT) professional while automating the process of software delivery and infrastructure changes**

**22. Which of the following goal of The Second Way?**

1. Increasing flow
2. Mastery through practice
3. Shortening feedback loops
4. Experimentation and learning

**Answer: Shortening feedback loops**

**23. What is the use of Jenkins ?**

1. Continuous Monitoring tool
2. Continuous Integration tool
3. Version Control System tool



4. Continuous Testing tool

**Answer: Continuous Integration tool**

**24. Devops stand for?**

1. Drive and Operations
2. Digital and Operation
3. Development And Operations
4. None of these

**Answer: Development And Operations**

**25. What are the PRIMARY stakeholders for DevOps?**

1. Design Engineers
2. Quality Assurance
3. Testers
4. All of the above

**Answer: All of the above**

**26. Identify the correct set of DevOps values?**

1. Culture, Automation, Lean, Metrics, Sharing
2. Culture, Collaboration, Communication, Sharing
3. Culture, Automation, Lean, Measurement, Sharing
4. All of the above

**Answer: Culture, Automation, Lean, Measurement, Sharing**

**27. DevOps culture is about \_\_\_\_\_ between Dev and Ops**

1. Speed
2. Collaboration
3. Stability
4. None

**Answer: Collaboration**

**28. Ansible is a?**

1. Configuration Management and Deployment tools
2. Configuration Deployment tools
3. Continuous Integration tool
4. Continuous Monitoring tool

**Answer: Configuration Management and Deployment tools**

**29. Mention some of the useful plugins in Jenkin\_\_\_\_\_**

1. Copy artifact
2. HTML publisher
3. All of the above
4. None of the above

**Answer: All of the above**

**30. Your company is planning to host resources in the AWS Cloud. They want to use services which can be used to decouple resources hosted on the cloud. Which of the following services can help fulfill this requirement**

1. AWS EBS Volumes
2. AWS SQS
3. AWS Glacier
4. AWS EBS Snapshots

**Answer: AWS SQS**

**1. What is the full form of Devops?**

- ☐ Development And Operations
- ☐ Digital and Operations
- ☐ Drive and Operations
- ☐ None of the above

[View Answer](#)

Development And Operations is the full form of Devops.

**2. Which of the following methods cannot be tested by JUnit test class?**

- ☐ Protected Methods
- ☐ Private Methods
- ☐ Public Methods
- ☐ None of the above

[View Answer](#)

Private Methods

**3. Which command is used to remove an empty directory?**

- ☐ remove
- ☐ rmdir
- ☐ rdir
- ☐ rm

[View Answer](#)

rmdir

**4. Which method of Assert class checks that a condition is true?**

- ☐ void assert(boolean condition)

- ☐ void assert(boolean condition)
- ☐ void assertTrue(boolean condition)
- ☐ void assertChecks(boolean condition)

[View Answer](#)

void assertTrue(boolean condition)

**5. Which of the following statement best describes the goal of DevOps?**

- ☐ Establish an environment to release more reliable applications faster
- ☐ Establish an environment where the release of applications is valued more than its quality
- ☐ Establish an environment where application development performs all the operation tasks
- ☐ Establish an environment where change management does not control application releases

[View Answer](#)

Establish an environment to release more reliable applications faster

**6. Which of the followings are the popular tools for DevOps?**

- ☐ Jenkins & Monit
- ☐ Nagios & ELK
- ☐ Jenkins & Ansible
- ☐ All of the above

[View Answer](#)

All of the above

**7. What are the key components of DevOps?**

- ☐ Continuous Integration
- ☐ Continuous Testing
- ☐ Continuous Delivery & Monitoring

- ☐ All of the above

[View Answer](#)

All of the above

**8. The cloud platform which are not used for DevOps Implementation?**

- ☐ Google Cloud
- ☐ IBM
- ☐ Microsoft Azure
- ☐ Amazon Web Services

[View Answer](#)

IBM

**9. What are the some important features of Memcached?**

- ☐ Callbacks
- ☐ CAS Tokens
- ☐ getDelayed & lgbinary
- ☐ All of the above

[View Answer](#)

All of the above

**10. Which of the following is most important DevOps KPI?**

- ☐ Meantime to failure recovery
- ☐ Deployment frequency
- ☐ Defect Volume
- ☐ Both 1 & 2

[View Answer](#)

Both 1 & 2

**11. Which of the following is the Popular Scripting Language Of Devops?**

- ☐ Java
- ☐ Python
- ☐ Html
- ☐ C++

[View Answer](#)

Python

**12. DevOps is an extension of .....**

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

[View Answer](#)

Agile

**13. Which of the following team gets priority in DevOps**

- ☐ Operational Team
- ☐ Development Team
- ☐ Both A & B
- ☐ None of the above

[View Answer](#)

Both A & B

**14. Is ansible an open-source tool.**

- ☐ Yes
- ☐ No

[View Answer](#)

Yes

**15. .... is a source code management tool.**

- ☐ Maven
- ☐ Jenkins
- ☐ Git
- ☐ Hudson

[View Answer](#)

Git

**16. .... is not a part of the data structure of a Git repository.**

- ☐ Branch pointer
- ☐ Commit object
- ☐ Head pointer
- ☐ Body element

[View Answer](#)

Body element

**17. Which of the following command is used to access the list of Ansible\_Variables?**

- ☐ ansible pull
- ☐ ansible-playbook
- ☐ ansible- m setup hostname
- ☐ ansible-playbook playbook.yml --list-hosts

[View Answer](#)

ansible- m setup hostname

**18. Which of the following value is returned in the JUnit test?**

- ☐ Int
- ☐ Object
- ☐ Void
- ☐ String

[View Answer](#)

Void

**19. What of the following is one of best techniques to convert normal changes into standard changes?**

- ☐ Negotiate with release managers
- ☐ Publicly complain about bureaucracy and make everyone be aware of it
- ☐ Make sure normal changes are very carefully deployed to your production systems
- ☐ Use your track record of successful automated deployments with standard changes

[View Answer](#)

Use your track record of successful automated deployments with standard changes.

**20. Which of the following methodologies does least impact the establishment of DevOps methodology?**

- ☐ Agile Software Delivery
- ☐ Lean Manufacturing
- ☐ Continuous Software Delivery
- ☐ Waterfall Software Delivery

[View Answer](#)

Waterfall Software Delivery

**21. DevOps and ITIL have nothing in common**

- ☐ True
- ☐ False

[View Answer](#)

False

**22. The DevOps movement is an outgrowth of which software development methodology?**

- ☐ Scrum
- ☐ Extreme Programming (XP)
- ☐ Agile
- ☐ TDD and MDD

[View Answer](#)

Agile

The DevOps movement is an outgrowth of Agile software development methodology

**23. Which of the following is not a feature of continuous delivery ?**

- ☐ Automate Everything
- ☐ Gathering Requirement
- ☐ Continuous Improvement
- ☐ Bug fixes and experiments

[View Answer](#)

Gathering Requirement

**24. Which of the following is not a benefit of Automation in DevOps ?**

- ☐ Implants Manual Errors
- ☐ Enables anyone to perform tasks



- ☐ Enables Speed, Reliability and Consistency
- ☐ None of the above

[View Answer](#)

Implants Manual Errors

**25. Which DevOps principle focuses on product and service thinking?**

- ☐ Customer-centric action
- ☐ Continuous Improvement
- ☐ Create with the end in mind
- ☐ All of the above

[View Answer](#)

Create with the end in mind

**26. What does pipeline in continuous delivery refer to?**

- ☐ Workflows
- ☐ Activities
- ☐ Automation
- ☐ All of the above

[View Answer](#)

All of the above

**27. How does a DevOps organization act in principle when it comes to financing its work?**

- ☐ It finances special projects to serve its clients.
- ☐ It finances products and services to serve its clients.
- ☐ It finances development and operations teams separately, so they take care of their own business
- ☐ None of the above

[View Answer](#)

It finances products and services to serve its clients.

**28. What is trunk in trunk based DevOps delivery?**

- ☐ Runk is a special private branch in a developer workstation
- ☐ Trunk is the process of merging code in DevOps deliveries
- ☐ Developers collaborate on code in a single branch called "trunk"
- ☐ None of the above

[View Answer](#)

Developers collaborate on code in a single branch called "trunk"

**29. Which of the following best describes open source software?**

- ☐ It is completely free for all people
- ☐ This type of software are used for any purpose
- ☐ We can modify these software according to our needs
- ☐ All of the above

[View Answer](#)

All of the above

**30. Which of the following statements best characterizes delivery reliability?**

- ☐ A company that delivers faster than its competitors
- ☐ A company that always delivers at the promised time
- ☐ A company that delivers more frequently than its competitors
- ☐ None of the above

[View Answer](#)

A company that always delivers at the promised time