**Certified DevOps Engineer Quiz**

**Name:**

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**Question 1**  
Which one of the following methodologies does least impact the establishment of DevOps methodology?

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

**Correct Answer: 3**  
  
**Question 2**  
In typical IT organizations why is there a typical conflict between development and operations teams?

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

**Correct Answer: 4**

**Question 3**  
Which one of the following techniques makes DevOps a successful methodology to develop and deliver software?

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

**Correct Answer: 4**  
  
  
**Question 4**  
Which one of the following statements about DevOps is incorrect?

* **Option-1:**DevOps is only suitable for start-up companies.
* **Option-2:**DevOps is suitable for brownfield software products and services.
* **Option-3:**DevOps is suitable for greenfield software products and services.
* **Option-4:**Some of the most exemplary DevOps initiatives started in companies with giant and mature IT organizations.

**Correct Answer: 1**  
  
  
**Question 5**  
How does a DevOps organization act in principle when it comes to financing its work?

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

**Correct Answer:** 2  
  
**Question 6**  
In a DevOps organization which one of the following elements does not directly contribute to your value stream?

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

**Correct Answer:** 3  
  
**Question 7**  
Why is it a good idea to limit batch size of your continuous DevOps deliveries?

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

**Correct Answer:** 4  
  
  
**Question 8**  
What is trunk in trunk-based DevOps delivery?

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

**Correct Answer:** 1  
  
**Question 9**  
Which one of the following is not one of the DevOps principles for good test automation?

* **Option-1:**Test Automation should give quick and early feedback about your quality of work.
* **Option-2:**Never mix test driven development (TDD) together with your test automation approach.
* **Option-3:**Tests should generate consistent, deterministic and repeatable results provided same conditions for different test runs.
* **Option-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:** 2  
  
  
**Question 10**  
Which one of following release patterns does not enable you to do low risk DevOps code deployments in your production systems?

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

**Correct Answer: 4**

**Question 11**  
What is one of best techniques to convert normal changes into standard changes?

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

**Correct Answer:** 1  
  
  
**Question 12**  
What is a widely used reusable asset to reinforce information security of deliverables from your DevOps team?

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

**Correct Answer:** 4  
  
**Question 13**  
What is not one of major benefits of designing a safe system of work culture?

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

**Correct Answer:** 2

**Question 14**  
What is telemetry?

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

**Correct Answer:** 3  
  
**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?

* **Option-1:**This is easiest way to fix a problem. It doesn’t require an urgent code deployment.
* **Option-2:**You don’t have to very urgently correct erroneous pieces in your deployment.
* **Option-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.
* **Option-4:**All above Options.

**Correct Answer: 4**

1. What is CI & CD?
2. What is DevOps?
3. What is IaaS?
4. Is Docker IaC?
5. What is the purpose of Jenkins?
6. How GIT Hub contribute on DevOps Flow?
7. What is Grafana & Prometheus?
8. Write down Troubleshooting Scientific Method Step.
9. How DevOps is efficient from Legacy operation & Development process.
10. Course Outcomes & Comments.
    1. Teaching Elegance out of 10 >
    2. Coach Knowledge out of 10 >
    3. Further Improvement area in Page Cloud Academy:

1.

2.

3.