List of Sections

Q No.	Q. Type	Status	Marks	Comment	
1	File Upload	✔	9.0	Missing output from the explanation.	Hide Answer

Explain ELK stack with architecture diagram. Draw logstash architecture and explain inputs, filters, and outputs in it.

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Evaluated Version

| 2 | File Upload | ✔ | 10.0 | Well written. | Hide Answer |

What is Continuous Deployment and answer the following questions:
a. Explain with an example where you would require continuous deployment.
b. Where you won't need continuous deployment.
c. Key functions of deployment automation tools?

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Evaluated Version

Q No.	Q. Type	Status	Marks	Comment	
1	Multiple Choice - Single Answer	✖	-1.0	–	Hide Answer

You want to containerize your database, but you have to make sure that your persistent data is not lost when the container gets destroyed or self-heals, how would you manage that?

- ◯ Use docker volumes to map to the container
- ⦿ Add docker storage driver while building the docker image.
- ◯ Database cannot be migrated to a container
- ◯ Add WORKDIR instruction in your Dockerfile

| 2 | Multiple Choice - Single Answer | ✔ | 2.0 | – | Hide Answer |

Why is the index pattern required in kibana in ELK?

○ To use grok plugin to match the custom field added in the logged event.

⦿ To access the elasticsearch data

○ To identify the field logged in logstash conf file.

○ To add various filters and discover search results.

3	Multiple Choice - Single Answer	✔	2.0	–	Hide Answer

Which of the following is NOT part of Ansible's Automation Engine?

○ inventory

⦿ playbook

○ plugins

○ modules

4	Multiple Choice - Single Answer	⚠	0.0	–	Hide Answer

You want to connect your microservices to one another to manage their API calls. What's the best way to solve this challenge?

○ This cannot be done without the use of a reverse proxy server

○ Manipulate the iptables rules on Linux

○ Remove the network isolation by assembling microservices in the host network

○ Connect microservices via services name under the same network

5	Multiple Choice - Single Answer	✔	2.0	–	Hide Answer

What does 'become:yes' mean in Ansible playbooks?

⦿ It means that we would run all commands as root

○ It means that the command must be retried until it succeeds as sudo user

○ It means that the service needs to be started once installed

○ It means that the managed node should become controller node user

6	Multiple	✔	2.0	–	Hide Answer

Your team is working on 100 nodes, and you want to first configure then deploy your application on those nodes. Which deployment tool you'll be using?

○ Jenkins

○ Docker

○ Git

◉ Ansible

7 Multiple ✔ 2.0 – Hide Answer
Choice –
Single
Answer

Why would you NOT choose Container over VM?

○ Simplify application delivery

◉ Monolithic workloads

○ Smaller storage and network footprint

○ Setting resource utilization limits

8 Multiple ✔ 2.0 – Hide Answer
Choice –
Single
Answer

_____ provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

○ PaaS

◉ IaaS

○ SaaS

○ CaaS

9 Multiple ✔ 2.0 – Hide Answer
Choice –
Single
Answer

Which of the following files defines the actions that Ansible performs on managed nodes?

◉ Playbook

○ Host inventory

○ Configuration

○ Modules

| 10 | Multiple Choice - Single Answer | ✔ | 2.0 | – | Hide Answer |

You're deploying the latest changes to your production server, but your deployment goes wrong, which of the following options you'll go for first?

● Follow the rollback strategy

○ Try to fix the bugs and deploy the fixed code

○ Rerun your deployment pipeline with the valid arguments

○ Pray that you don't get fired

| 11 | Multiple Choice - Single Answer | ✔ | 2.0 | – | Hide Answer |

Passwords, Passphrases and Private keys stored in the _____facility of Rundeck.

● Key Storage

○ Access Control

○ Password Utility

○ System Configuration

| 12 | Multiple Choice - Single Answer | ✔ | 2.0 | – | Hide Answer |

As a DevOps Engineer, why would you create a Rundeck Job?

○ To run a configuration management tool on a controller node.

○ To run an ad hoc command on your local or remote nodes

○ To run a set of commands or scripts on your local or remote nodes

● All of the mentioned

| 13 | Multiple Choice - Single Answer | ✔ | 2.0 | – | Hide Answer |

Which of the following is/are example/s of the Centralized Runbook Automation System?

○ Chef

● Rundeck

○ Ansible

○ Jenkins

14   Multiple Choice - Single Answer   ✖   -1.0   –   Hide Answer

You want to switch from the old version to the new version in blue-green deployment, what's the correct way?

○ Change load balancer or router settings.

● Changing the DNS record pointing to the latest deployment.

○ Takedown blue deployment.

○ Flipping blue/green switches at the server level.

15   Multiple Choice - Single Answer   ✔   2.0   –   Hide Answer

Rundeck by default uses _____ to execute commands on remote nodes.

● SSH

○ API

○ ISCSI

○ TELNET