QUESTION 23
Which two statements about the various types or DevOps tools are true? (Choose two)

A. Puppet requires the installation of a master (server) and agents (clients) architecture for configuring systems.
B. Salt cannot communicate with clients through general SSH, it use minions client agents only.
C. Puppet and Chef are written in Python, Python skills are a must to operate these two.
D. Ansible does not require agent node installation and uses SSH for performing all tasks.
E. Chef and Puppet are much more attuned to the needs of system administrators.

Answer: AD

QUESTION 24
Which Cisco management tool provides the ability to centrally provision all aspects of device configuration across the Cisco family of security products?

A. Cisco Configuration Professional
B. Security Device Manager
C. Cisco Security Manager
D. Cisco Secure Management Server

Answer: C

QUESTION 25
A DevOps engineer must validate the working state of the network before implementing a CI/CD pipeline model. Which configuration management tool is designed to accomplish this?

A. Jenkins
B. Genie CLI
C. Travis CI
D. Python YAML data libraries

Answer: A

QUESTION 26
Which two practices help make the security of an application a more integral part of the software development lifecycle? (Choose two.)

A. Add a step to the CI/CD pipeline that runs a dynamic code analysis tool during the pipeline

execution.
B. Add a step to the CI/CD pipeline that runs a static code analysis tool during the pipeline execution.
C. Use only software modules that are written by the internal team.
D. Add a step to the CI/CD pipeline to modify the release plan so that updated versions of the software are made available more often.
E. Ensure that the code repository server has enabled drive encryption and stores the keys on a Trusted Platform Module or Hardware Security Module.

Answer: AE

QUESTION 27
A CI/CD pipeline that builds infrastructure components using Terraform must be designed. A step in the pipeline is needed that checks for errors in any of the .tf files in the working directory. It also checks the existing state of the defined infrastructure.
Which command does the pipeline run to accomplish this goal?

A. terraform plan
B. terraform check
C. terraform fmt
D. terraform validate

Answer: D

QUESTION 28
Which type of testing should be integrated into a CI/CD pipeline to ensure the correct behavior of all of the modules in the source code that were developed using TDD?

A. soak testing
B. unit testing
C. load testing
D. volume testing

Answer: B

QUESTION 29
Refer to the exhibit. How should the Jenkins job be troubleshooted based on the error provided?

```
#!/bin/bash                                    Build Command
# apt-get -y install python3-pip
# pip install --upgrade pip
rm -rf automationSandboxTest || true
git clone https://github.com/oborys/automationSanboxTest.git
export SEARCHPATH="$PWD/automationSanboxTest/"
for k in $(cat $SEARCHPATH/requriements.txt | cut -d '>' -f 1 | cut -d '<' -f 1
                                                            | cut -d '=' -f 1
do
    python -m pip install $k
done
echo
for k in $(find $SEARCHPATH -name *.py)
do
    echo > msg.txt
    python $k > /dev/null 2> msg.txt || true
    export CODE=$(grep -c ^ msg.txt)
    if [ $CODE != 0 ]
    then
        echo "File: $k" >> error.message.txt
        cat msg.txt >> error_message.txt
        echo >> error.message.txt
    fi
done
rm -rf msg.txt || true
cat error_message.txt
if [ $(cat error_message.txt| wc -1) != 0 ]
then
    exit 1
fi
```

```
++find /data/bms/webapps/jenkins/workspace/team_team_devnet-learning-labs-
automatiom/Always_On_Sandbox_testing/automationSandboxTest/ -name '*.py'
+ for k in '$(find $SEARCHPATH -name *.py)'
+ echo
+ python /data/bms/webapps/jenkins/workspace/team_team_devnet-learning-labs-
automatiom/Always_On_Sandbox_testing/automationSandboxTest/alwaysOnSandboxCh
eck.py
++ grep -c '^' msg.txt
+ export CODE=0
+ CODE=0                                        Part of Console Output
+ '[' 0 ' != ' 0 ']'
+ rm -rf msg.txt
+ cat error_message.txt
cat: error_message.txt: No such file or directory
Build step 'Virtualenv Builder' marked build as failure
Notifying upstream projects of job completion
Finished: FAILURE
```

A. Verify what the responding file created.
B. Update pip.
C. Install dependencies.
D. Place the code in a container and run the job again.

Answer: A

QUESTION 30
Configuration changes to the production network devices are performed by a CI/CD pipeline. The code repository and the CI tool are running on separate servers. Some configuration changes are pushed to the code repository, but the

pipeline did not start.
Why did the pipeline fail to start?

A. The CI server was not configured as a Git remote for the repository.
B. The webhook call from the code repository did not reach the CI server.
C. Configuration changes must be sent to the pipeline, which then updates the repository.
D. The pipeline must be started manually after the code repository is updated.

Answer: C

QUESTION 31
A new version of an application is being released by creating a separate instance of the application that is running the new code. Only a small portion of the user base will be directed to the new instance until that version has been proven stable.
Which deployment strategy is this example of?

A. recreate
B. blue/green
C. rolling
D. canary

Answer: D

QUESTION 32
Which description of a canary deployment is true?

A. deployment by accident
B. deployment that is rolled back automatically after a configurable amount of minutes
C. deployment relating to data mining development
D. deployment to a limited set of servers or users

Answer: D

QUESTION 33
Which two options are advantages of an application layer firewall? (Choose two.)

A. provides high-performance filtering
B. makes DoS attacks difficult
C. supports a large number of applications
D. authenticates devices
E. authenticates individuals

Answer: BE