Exam Questions 200-901

Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC)

https://www.2passeasy.com/dumps/200-901/

NEW QUESTION 1
Refer to the exhibit.

```xml
<books>
  <science>
    <biology>10.00</biology>
    <geology>9.00</geology>
    <chemistry>8.00</chemistry>
  </science>
  <math>
    <calculus>20.00</calculus>
    <algebra>12.00</algebra>
  </math>
</books>
```

Which JSON is equivalent to the XML –encoded data?

```json
{
    "books": {
        "science": {
            "biology": "10.00",
            "geology": "9.00",
            "chemistry": "8.00"
        },
        "math": {
            "calculus": "20.00",
            "algebra": "12.00"
        }
    }
}
```

```json
[ {
    "books": {
        "science": {
            "biology": "10.00",
            "geology": "9.00",
            "chemistry": "8.00"
        },
        "math": {
```

```
"science": {
    "biology": "10.00",
    "geology": "9.00",
    "chemistry": "8.00"
},
"math": {
    "calculus": "20.00",
    "algebra": "12.00"
}
}
} ]
```

```
{
    "books": [
        "science": {
            "biology": "10.00",
            "geology": "9.00",
            "chemistry": "8.00"
        },
        "math": {
            "calculus": "20.00",
            "algebra": "12.00"
        }
    ]
}
```

```
{
    "books": [
        "science", {
            "biology": "10.00",
            "geology": "9.00",
            "chemistry": "8.00"
        },
        "math", {
            "calculus": "20.00",
            "algebra": "12.00"
        }
    ]
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

NEW QUESTION 2
What are two advantages of version control software? (Choose two.)

A. It supports tracking and comparison of changes in binary formate files.
B. It allows old versions of packaged applications to be hosted on the Internet
C. It provides wiki collaboration software for documentation.
D. It supports comparisons between revisions of source code files.
E. It allows new team members to access the current code and history.

Answer: DE

NEW QUESTION 3
Which REST architectural constraint indicates that no client context should be stored on the server between requests?

A. stateless
B. uniform interface
C. cacheable
D. client-server

Answer: A

NEW QUESTION 4
Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right. (Not all Options are used)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Grpc == http/2 , netconfig == ssh , restconfig == https

NEW QUESTION 5
Fill in the blanks to complete the python script to request a service ticket using the APIC-EM rest API for the user "devnetuser".

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution as below

NEW QUESTION 6
Which statement about authentication a RESTCONF API session with a router that runs Cisco IOS XE software is true?

A. OAuth must be used.
B. A token must be retrieved and the associated string must be embedded in the X-Auth-Token header.
C. Basic authentication must be used.
D. No authentication is required.

Answer: C

NEW QUESTION 7
What are two benefit of managing network configuration via APIs? (Choose two.)

A. configuration on devices becomes less complex

B. more security due to locking out manual device configuration
C. increased scalability and consistency of network changes
D. eliminates the need of legacy management protocols like SNMP
E. reduction in network changes performed manually

Answer: CE

NEW QUESTION 8
What is the outcome of executing this command?
git clone ssh://john@exmaple.com/path/to/my-project_git

A. Creates a local copy of a repository called "my project"
B. Creates a copy of a branch called "my project"
C. Initiates a new Git repository called "my project"
D. Creates a new branch called "my project"

Answer: A

NEW QUESTION 9
When a Cisco IOS XE networking device is configured using RESTCONF, what is the default data-encoding method?

A. XML
B. x-form-encoding
C. YANG
D. YAML

Answer: A

NEW QUESTION 10
Refer to the exhibit.

```
#!/bin/bash
read ndir
while [ -d "$ndir" ]
do
cd $ndir
done
mkdir $ndir
```

What is the action of the Bash script that is shown?

A. The script waits until input is entere
B. If the directory exists, the script goes into it until there is no directory with the same name, then it creates a new directory.
C. The script goes into the directory called "$ndir" and makes a new directory called "$ndir"
D. The script waits unit input is entered, then it goes into the directory entered and creates a new directory with the same name.
E. For all directories in the current folde
F. The script goes into directory and makes a new directory.

Answer: A

NEW QUESTION 10
Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right.
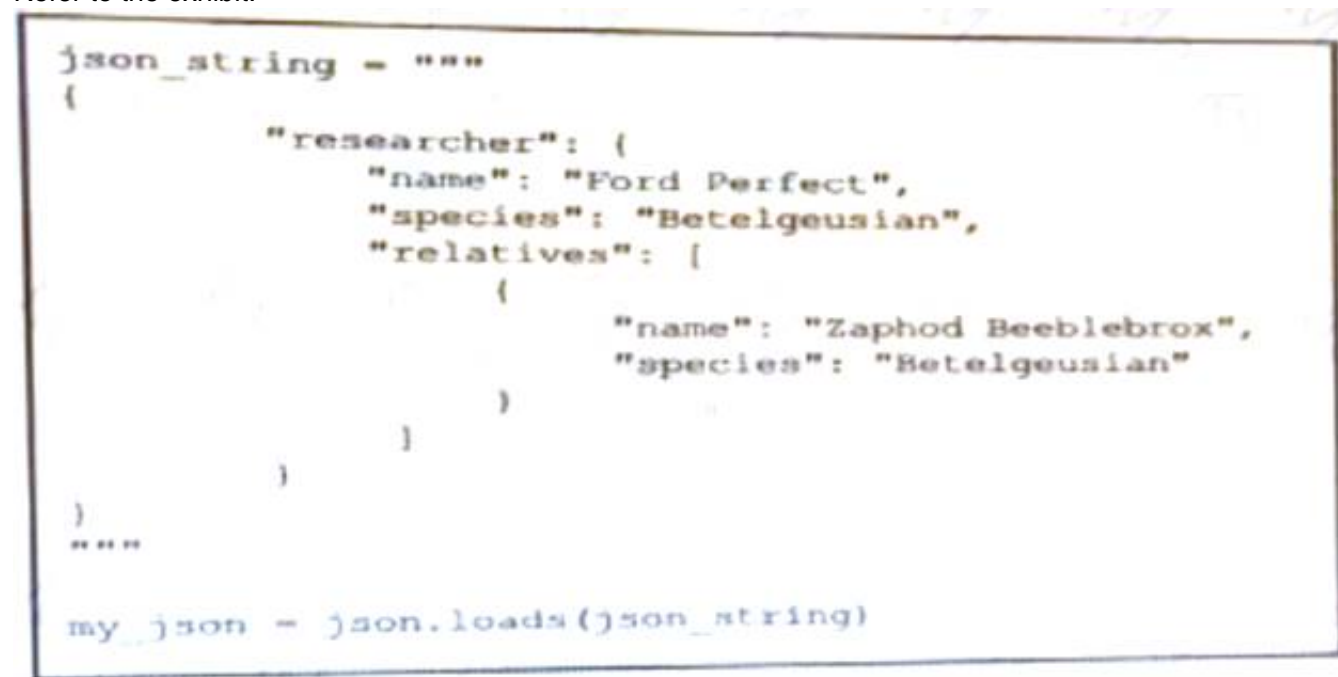

A. Mastered
B. Not Mastered

Answer: A

Explanation:
gRPC = C, NETCONF = A, RESTCONF = B, D

NEW QUESTION 11
Refer to the exhibit.

```
json_string = """
{
        "researcher": {
                "name": "Ford Perfect",
                "species": "Betelgeusian",
                "relatives": [
                        {
                                "name": "Zaphod Beeblebrox",
                                "species": "Betelgeusian"
                        }
                ]
        }
}
"""

my_json = json.loads(json_string)
```

Which python data structure does my_josn contain?

A. List
B. Json
C. Map
D. Dict

Answer: D

NEW QUESTION 16
Which two NETCONF operations cover the RESTCONF GET operation? (Choose two.)

A. <get>
B. <edit>
C. <get-update>
D. <modify-config>
E. <get-config>

Answer: AE

NEW QUESTION 19
Which platform has an API that be used to obtain a list of vulnerable software on user devices?

A. Cisco Umbrella
B. Cisco Firepower
C. Cisco Identity Services Engine
D. Cisco Advanced Malware Protection

Answer: D

NEW QUESTION 24
When using the Bash shell, how it the output of the devnet command saved to a tile named "output.txt"?

A. devnet & output.txt
B. devnet > output.txt
C. devnet < output.txt
D. devnet I output.txt

Answer: B

NEW QUESTION 27
Refer to the exhibit.

```
1        ---
2    ∨  - hosts: {{ router }}
3        gather_facts: true
4        connection: local
5
6    ∨    tasks:
7    ∨     - ios_command
8    ∨         commands:
9             - show run
10           provider: "{{ router_credentials }}"
11         register: config
12
13   ∨      - copy:
14             content: "{{ config.stdout[0] }}"
15             dest: "etc/ansible/configs/command_{{ router_hostname }}.txt
16       ...
```

What is the effect of this Ansible playbook on an IOS router?

A. A new running configuration is pushed to the IOS router.
B. The current running configuration of the IOS router is backed up.
C. The start-up configuration of the IOS router is copied to a local folder.
D. A new start-up configuration is copied to the IOS router.

Answer: B

NEW QUESTION 28
Which CI/CD tool is an automation tool used to build, test, and deploy software?

A. Nagios
B. Gradle
C. Jenkins
D. Git

Answer: C

NEW QUESTION 29
A function my_func() returns True when it executes normally. Which python snippet tests my_func()?

```
def test_func(self):
    self.assertTrue(my_func())
```

```
def test_func(self):
    self.assertRaises(my_func())
```

```
def test_func(self):
    self.assertEqual(my_func(), '{true}')
```

```
def test_func(self):
    self.assertFalse(my_func())
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 32
An automation script fails to connect to an internal server exactly 1 out of 2 times it is executed. This behavior is seen from different clients. Which networking device mut be at fault?

A. Laptop on which the scripted is running
B. Router
C. Switch
D. Load balancer

Answer: D

NEW QUESTION 33
Which status code is used by a REST API to indicate that the submitted payload is incorrect?

A. A.-400B.403C.405D.429

Answer: A

NEW QUESTION 38
What is an example of a network interface hardware address?

A. domain name
B. IP address
C. workstation name
D. MAC addess

Answer: D

NEW QUESTION 39
Refer to the exhibit.

```
URL: https://<ASA_IP>/api/access/global/rules
Method: POST
Payload:

{
    "destinationAddress": {
      "kind": "IPv4Address",
      "value": "10.1.1.1"
    },
    "remarks": [ ],
    "active": true
    "permit": true,
    "sourceAddress": {
      "kind": "IPv4Address",
      "value": "192.168.1.1"
    }
}

Response Status Code: 400 Bad Request

{"messages":[{"level":"Error","code":"JSON-PARSE-ERROR","details":"
              Unexpected character ('\'" (code 34)):
```

What caused the error in this API request?

A. The API resource does not support the POST operation.
B. The API resource does not support JSON format payloads.
C. The submitted JSON payload includes a field that is not supported by the API resources.
D. The submitted JSON payload has a formatting issue.

Answer: D

NEW QUESTION 42
Which PAI is used to obtain data voicemail ports?

A. Finesse gadgets
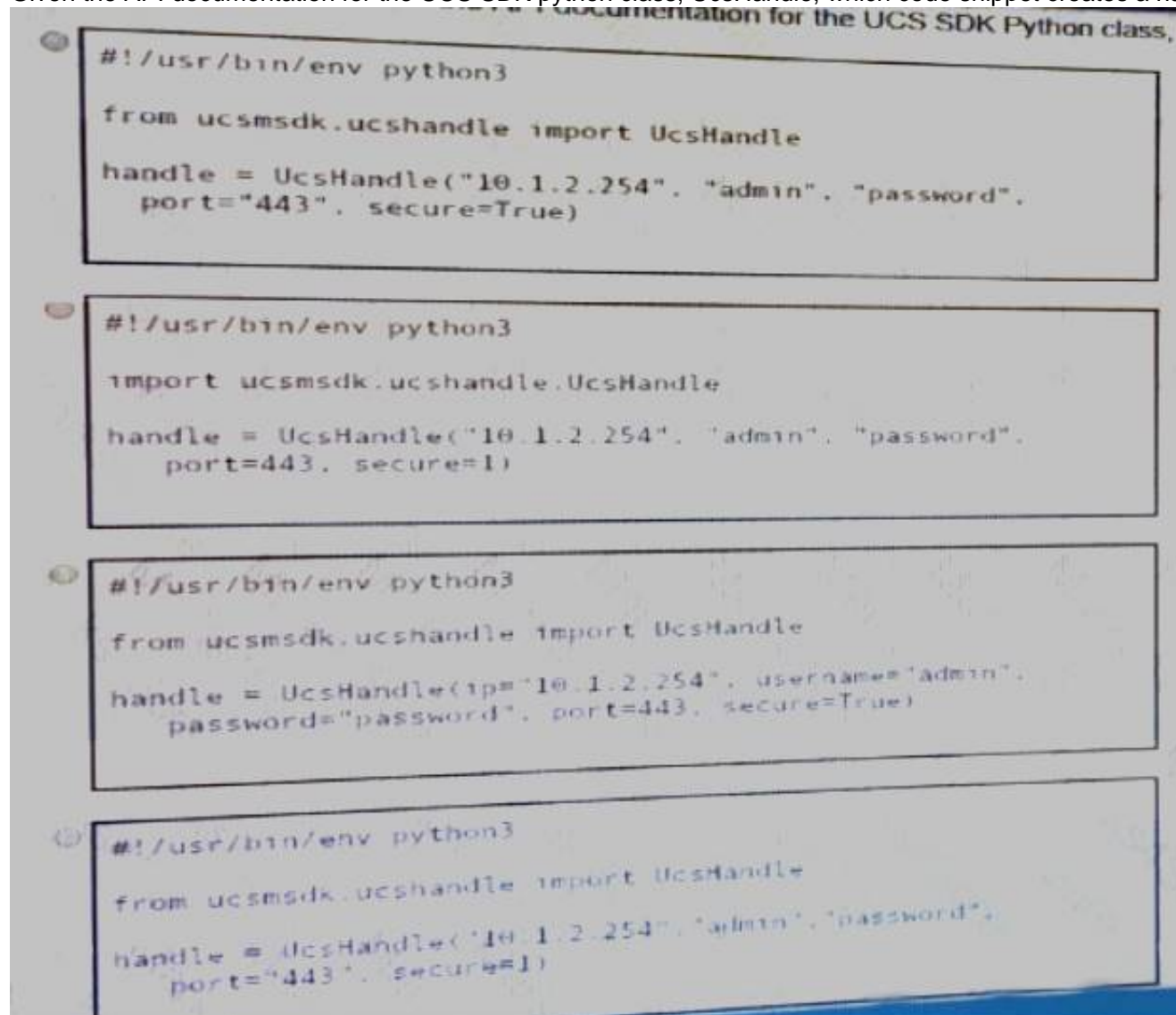B. Cisco Unified Communications manager
C. Webex devices
D. Webex teams

Answer: B

NEW QUESTION 47
Refer to the exhibit.

```
class ucsmsdk.ucshandle.UcsHandle(ip, username, password, port=None,
   secure=None, proxy=None)                                        [source]
      Bases: ucsmsdk.ucssession.UcsSession

      UcsHandle class is the user interface point for any Ucs related communication.

      Parameters:   • ip (str) – The IP or Hostname of the UCS Server
                    • username (str) – The username as configured on the UCS
                      Server
                    • password (str) – The password as configured on the UCS
                      Server
                    • port (int or None) – The port number to be used during
                      connection
                    • secure (bool or None) – True for secure connection, otherwise
                      False
                    • proxy (str) – The proxy object to be used to connect
```

Given the API documentation for the UCS SDK python class, UcsHandle, which code snippet creates a handle instance?

```
#!/usr/bin/env python3

from ucsmsdk.ucshandle import UcsHandle

handle = UcsHandle("10.1.2.254", "admin", "password",
    port="443", secure=True)
```

```
#!/usr/bin/env python3

import ucsmsdk.ucshandle.UcsHandle

handle = UcsHandle("10.1.2.254", "admin", "password",
    port=443, secure=1)
```

```
#!/usr/bin/env python3

from ucsmsdk.ucshandle import UcsHandle

handle = UcsHandle(ip="10.1.2.254", username="admin",
    password="password", port=443, secure=True)
```

```
#!/usr/bin/env python3

from ucsmsdk.ucshandle import UcsHandle

handle = UcsHandle("10.1.2.254", "admin", "password",
    port="443", secure=1)
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 49
Which two statement describe the role of an artifact repository in a CI/CD pipeline? (Choose two.)

A. An artifact repository allows to compare and merge changes in the source code of files involved in a build process.
B. An artifact repository is needed only for CI/CD pipeline executed on a public cloud infrastructure.
C. An artifact repository provides traceability, search, and management of binary files.
D. An artifact repository is needed only for managing open source software.
E. An artifact repository stores files needed and generated during the build process.

Answer: CE

NEW QUESTION 54
On which port does NETCONF operate by default?

A. 23
B. 443
C. 822

D. 830

Answer: D

NEW QUESTION 57
What are two characteristics of Bare Metal environments that are related to application deployment? (Choose two.)

A. Provide the hypervisor to host virtual servers
B. Specifically designed for container-based workloads.
C. Provides workloads with access to hardware features
D. Suitable for legacy application that do not support virtualization
E. Not compatible with other cloud services such as PaaS or SaaS offerings.

Answer: CD

NEW QUESTION 62
Refer to the exhibit.

A developer is troubleshooting an API with the given API with the given API documentation and cURL command. What is the cause of this problem?

A. The user is not allowed to post massages from their account
B. The request body is missing or incomplete
C. The API token specified is expired
D. The authorization header is missing or incomplete

Answer: C

NEW QUESTION 67
Drag and drop the functionalities from the left onto correct networking devices on the right.

ports are different broadcast domain by default	Firewall
ports can be in the same broadcast domain	Load Balancer
uses traffic inspection to make routing decisions	Router
blocks networks traffic by default	Switch

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 – D, 2 – C, 3 – A, 4 – B

NEW QUESTION 70
Which two statements describe the advantages of using a version control system? (Choose two.)

A. It allows for branching and merging so that different tasks are worked on in isolation before they are merged into a feature or master branch.
B. It allows multiple engineers to work against the same code and configuration files and manage differences and conflicts.
C. It provides tooling to automate application builds and infrastructure provisioning.
D. It allows developers to write effective unit tests.
E. It provides a system to track User Stories and allocate to backlogs.
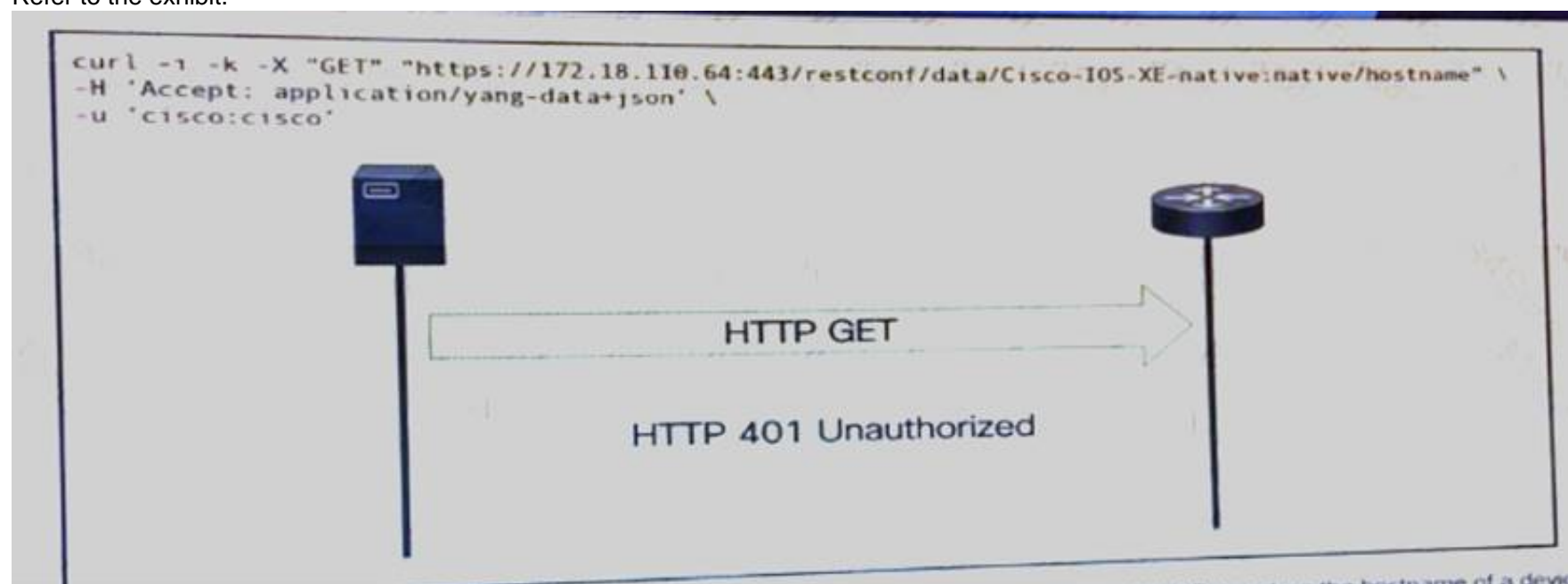
Answer: AB

NEW QUESTION 75
An application calls a REST API and expects a result set of more than 550 records, but each time the call is made, only 25 are returned. Which feature limits the amount of data that is returned by the API?

A. pagination
B. payload limit
C. rate limiting
D. service timeouts

Answer: A

NEW QUESTION 80
Refer to the exhibit.

An administrator attempts to perform a GET using the Cisco IOS XE RESTOCNF API to return the hostname of a device. The sequence diagram illustrated the HTTP message observed. Which change to the API request resolves the issue?

A. Add Content-Type HTTP header with 'application/yang-data+json' using –H 'Content-Type: application/yang-data+json'.
B. Use -u cisco: cisco instead of -u 'cisco: cisco'.
C. Change the request method from -X "GET" to- X' POST".
D. Remove the -H 'Accept: application/yang-data^/son' HTTP header because it is not required.

Answer: B

NEW QUESTION 83
In DNS, which record specifies an alias that refers to another name that ultimately resolves to an IP address?

A. AAA
B. SOA
C. NS
D. CNAME

Answer: D

NEW QUESTION 84
Which device is a system that monitors and controls incoming and outgoing network traffic based on predetermined security rules?

A. Switch
B. Router
C. Firewall
D. Load balancer

Answer: C

NEW QUESTION 85
Which principle is a value from the manifesto for Agile software development?

A. adhering to a plan over responding to requirements
B. detailed documentation over working software
C. processes and tools over teams and inter actions
D. customer collaboration over contract negotiation

Answer: D

NEW QUESTION 87
Which action does the Git command git merge allow the development to perform?

A. Combine multiple sequence of commits into one unified history.
B. Push changes to the remote repository
C. Switch between branches
D. Create, list, rename, and delete branches

Answer: A

NEW QUESTION 91
Drag and drop the descriptions from the left onto correct application deployment models on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 – B, 2 – E, 3 – C, 4 – D, 5 – A

NEW QUESTION 93
Drag and drop the HTTP status codes from the left onto the correct descriptions on the right.

400		Unauthorized
401		Not Found
403		Bad Request
404		Forbidden

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 – B, 2 – D, 3 – A, 4 – C

NEW QUESTION 97
Fill in the blanks to complete the Python script to update the Webex Teams membership of a room using the Python requests library import requests

```
import requests
url = "https //api ciscospark comvv1/memberships/Y2IzY29zcGf yazov371508156INISVAvOTJiM2RkOWEtNjc
1ZC00YTQxLThjNDEtMmFiZGY4OWY0NGY0OjExNzJkNmYwLTJIY2MtMTFlOS1iOWI3LWNmMjg3MTJ
hYTkzNw"

payload = "{\n \"isModerator\" true\n}"
headers = {
'Authorization' 'Bearer '
'Content-Type' 'application/json'
}

response = requests [            ] ("PATCH" url headers=[            ] , data = [            ])
print(response text.encode('utf8'))
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
request, headers , payload

NEW QUESTION 98
What is the benefit of edge computing?

A. It reduces ne two« k latency by moving processing doser to the data source.
B. It simplifies security as devices and processing are brought doser together
C. It removes the need for centralized data processing.
D. It reduces data velocity from devices or other data sources.

Answer: A

NEW QUESTION 100
Which two statements about JSON and XML are true? (Choose two.)

A. JSON objects arc collection of key value paire.
B. The syntax of JSON contains tags, elements, and attributes.
C. JSON arrays are an unordered set of key value pairs.
D. The syntax of XML contains tags, elements, and attributes.
E. XML objects are collections of key-value pairs.

Answer: AD

NEW QUESTION 105
What are two advantages of the Model-view-controller software design pattern? (Choose two.)

A. simplifies network automation
B. allows for multiple views of the same model
C. makes code easier to deploy using CI/CD pipelines
D. reduces need for error handling
E. separates responsibilities of the code, which makes future modifications easier

Answer: BE

NEW QUESTION 108
Which two statements describe the traits of an asynchronous API call? (Choose two.)

A. The order in which API calls return can be guaranteed
B. A call to an API does not block the code, but rather it allows application processing to continue
C. The end user can experience latency or performance lag while waiting for the API call to return
D. Code execution blocks or waits for the call to an API to return.
E. A callback function typically is used to process the response from an API call

Answer: BE

NEW QUESTION 112
Drag and Drop the Bash commands from the left onto the correct actions on the right.

cd~	list files in directory sorted by edited date descending
cd/	create directory
is –l	copy file
is –t	change directory to user $HOME
cp	create environment variable
cp –r	change directory to file system root
mv	move file
touch	create file
mkdir	copy directory
export	list files in directory with details

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 - d, 2 - i, 3 - e, 4 - a, 5 - j, 6 - b, 7 - g, 8 - h, 9 - c, 10 - f

NEW QUESTION 115
Which type of threat occur when an attacker can send hostile data to an interpreter within an application?

A. Cross-site scripting
B. Sensitive data exposure
C. Broken authentication
D. Injection

Answer: D

NEW QUESTION 117
A company has written a script that creates a log bundle from the Cisco DNA Center every day. The script runs without error and the bundles are produced. However, when the script is run during business hours, report poor voice quality of phones calls. What explains this behavior?

A. The application is running in the Voice VLAN and causes delays and jitter in the subnet.
B. The speed and duplex settings in Cisco DNA Center are sot incorrectly, which causes the transfer to be too slow.
C. 9 The script is written in a low-level programming language where there is no memory safet
D. This causes a buffer overflow and disruption on the network.
E. Generating the logs causes the CPU on the network controller to spike, which causes delays m forwarding the voice IP packets.

Answer: D

NEW QUESTION 119
Which two concepts describe test-driven development? (Choose two.)

A. It enables code refactoring.

B. Write a test before writing code.
C. Implementation is driven by incremental testing of release candidates.
D. User acceptance testers development the test requirements.
E. Tests are created when code is ready for release.

Answer: BC

NEW QUESTION 122

What is the Git command to delete a local branch named "experiment" without a warning?

A. git branch –n experiment
B. git branch –rm experiment
C. git branch –f experiment
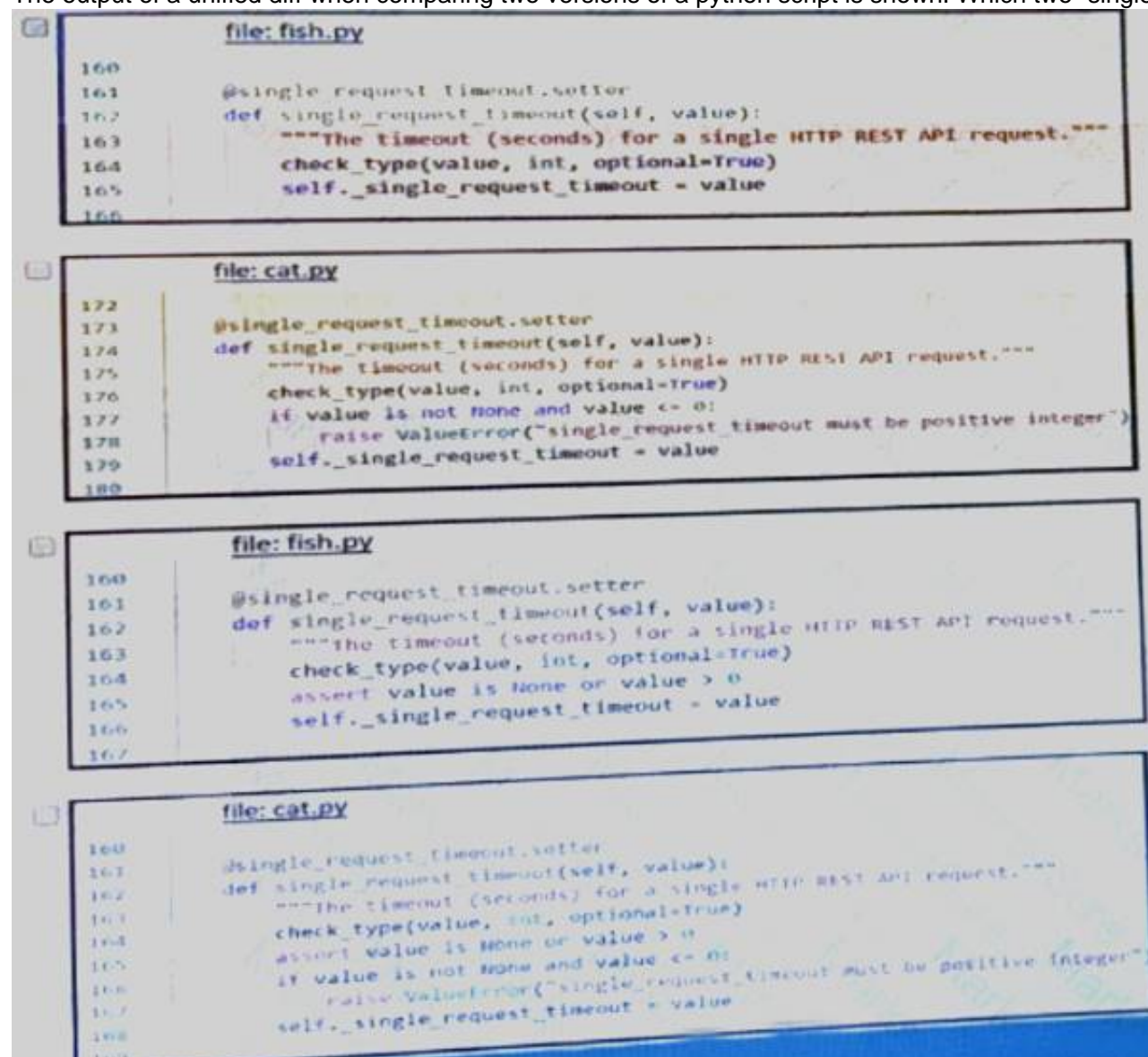D. git branch –D experiment

Answer: D

NEW QUESTION 125

Refer to the exhibit.

```
$ diff -u5 fish.py cat.py
--- fish.py      2020-01-02 09:41:02.840000000 +0100
+++ cat.py       2020-01-02 09:41:06.885999800 +0100
@@ -160,11 +160,12 @@

        @single_request_timeout.setter
        def single_request_timeout(self, value):
            """The timeout (seconds) for a single HTTP REST API request."""
            check_type(value, int, optional-True)
-           assert value is None or value > 0
+           if value is not None and value <- 0:
+               raise ValueError("single_request_timeout must be positive intege
            self._single_request_timeout - value

        @property
        def wait_on_rate_limit(self):
            """Automatic rate limit handling.
```

The output of a unified diff when comparing two versions of a python script is shown. Which two "single_ request _ timeout ()"

```
file: fish.py
160
161     @single_request_timeout.setter
162     def single_request_timeout(self, value):
163         """The timeout (seconds) for a single HTTP REST API request."""
164         check_type(value, int, optional-True)
165         self._single_request_timeout - value
166
```

```
file: cat.py
172
173     @single_request_timeout.setter
174     def single_request_timeout(self, value):
175         """The timeout (seconds) for a single HTTP REST API request."""
176         check_type(value, int, optional-True)
177         if value is not None and value <- 0:
178             raise ValueError("single_request_timeout must be positive integer")
179         self._single_request_timeout - value
180
```

```
file: fish.py
160
161     @single_request_timeout.setter
162     def single_request_timeout(self, value):
163         """The timeout (seconds) for a single HTTP REST API request."""
164         check_type(value, int, optional=True)
165         assert value is None or value > 0
166         self._single_request_timeout - value
167
```

```
file: cat.py
160
161     @single_request_timeout.setter
162     def single_request_timeout(self, value):
163         """The timeout (seconds) for a single HTTP REST API request."""
164         check_type(value, int, optional=True)
165         assert value is None or value > 0
166         if value is not None and value <- 0:
167             raise ValueError("single_request_timeout must be positive integer")
168         self._single_request_timeout - value
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: BC

NEW QUESTION 127
......

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