Question 1

Refer to the exhibit.

```
from ydk.services import CRUDService
from ydk.providers import NetconfServiceProvider
from ydk.models.cisco_ios_xr import Cisco_IOS_XR_shellutil_oper \
    as xr_shellutil_oper
from datetime import timedelta

if __name__ == "__main__":
    """Main execution path"""
    provider = NetconfServiceProvider(address="10.0.0.1",
                                      port=830
                                      username = "admin",
                                      password = "admin",
                                      protocol = "ssh")
    crud = CRUDService()
    system_time = xr_shellutil_oper.SystemTime()
    system_time = crud.read(provider, system_time)
    print("System uptime is" +
         str(timedelta(seconds=system_time.uptime.uptime)))
    exit()
```

Regarding the Python script using YDK, what is the result for a device that is running Cisco IOS XR Software?

A- retrieves the system time

B- configures the system time

C- prints the uptime of the CRUDService

D- prints the system uptime

Answer:

D

Question 2

Question Type: **MultipleChoice**

An engineer is deploying a Python script to manage network devices through SSH. Which library based on Paramiko is used?

Options:

A- sshmiko

B- paramiko.agent

C- libssh2

D- netmiko

Answer:

D

Explanation:

https://pynet.twb-tech.com/blog/automation/netmiko.html

Question 3

Refer to the exhibit.

```
RP/0/RP0/CPU0:XR_CORE666#conf t
Fri May 19 10:45:31.136 UTC
RP/0/RP0/CPU0:XR_CORE666(config)#pce
RP/0/RP0/CPU0:XR_CORE666(config-pce)#address ipv4 10.10.0.15
RP/0/RP0/CPU0:XR_CORE666(config-pce)#commit
```

XTC has been configured by an engineer. What does the IPv4 address represent on the snippet?

Options:

A- local address of the router on which it listens for PCEP

B- configured for the local peer for state synchronization

C- destination address of the router on which it listens for PCEP

D- configured for the remote peer for state synchronization

Answer:

A

Explanation:

http://ipnetworkgeek.blogspot.com/2017/05/path-disjointness-with-ios-xr-traffic.html

Question 4

A Cisco NSO service has just been deployed. Which Cisco NSO CLI command is used to inspect the resulting device configuration changes before the changes are pushed to the network?

Options:

A- show service impact

B- commit dry-run outformat native

C- pseudo-commit

D- show dry-run output

Answer:

B

Question 5

What are two characteristics of the NFV architecture approach? (Choose two.)

Options:

A- It decouples the network functions from proprietary hardware appliances.

B- It provides 70% more efficiency of network infrastructure.

C- It is specially designed for Internet providers.

D- It is specially designed for telecommunications service providers.

E- It typically includes a hypervisor.

Answer:

A, E

Explanation:

https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2016/pdf/LTRSPM-2022.pdf

Question 6

What is a key feature of YANG?

Options:

A- use identification

B- error prediction

C- JAVA compatibility

D- reusable types and groupings

Answer:

D

Explanation:

https://www.cisco.com/c/en/us/td/docs/optical/ncs1000/60x/b_Datamodels_cg_ncs1000/ b_Datamodels_cg_ncs1000_chapter_00.html

Question 7

Which schema allows device configuration elements to be enclosed within a remote procedure call message when NETCONF is implemented?

Options:

A- JSON-RPC

B- XML

C- YAML

D- JSON

Answer:

B

Question 8

Refer to the exhibit.

```yaml
- name: configure global bgp as 65000
  iosxr_bgp:
    bgp_as: 65000
    router_id: 1.1.1.1
    neighbors:
    - neighbor: 182.168.10.1
      remote_as: 500
      description: PEER_1
    - neighbor: 192.168.20.1
      remote_as: 500
      update_source: GigabitEthernet 0/0/0/0
    address_family:
    - name: ipv4
      cast: unicast
      networks:
        - network: 192.168.2.0/23
        - network: 10.0.0.0/8
      redistribute:
        - protocol: ospf
          id: 400
          metric: 110
```

What is the result of the Ansible task?

Options:

A- It configures a Cisco IOS XR router with BGP AS65000 with two neighbors and redistributes OSPF into BGP.

B- It validates the BGP configuration on a Cisco IOS XR router, but it is a read-only module and cannot modify the configuration on the router.

C- It validates the BGP configuration on a Cisco IOS XE router, but it is a check mode-only network module and cannot modify the configuration on the router.

D- It configures a Cisco IOS router with BGP on AS500 and redistributes OSPF into BGP.

Answer:

A

Explanation:

https://docs.ansible.com/ansible/latest/modules/iosxr_bgp_module.html

Question 9

Question Type: MultipleChoice

Which two use cases are valid for Cisco WAN Automation Engine? (Choose two.)

Options:

A- deployment of SR policies

B- integration with Cisco XTC

C- what-if analysis

D- device manager

E- network controller

Answer:

A, B

Explanation:

https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2018/pdf/BRKSPG-2008.pdf

Slide 16

Question 10

An automation engineer is trying to configure a destination group to use dial-out telemetry with gRPC on a Cisco IOS XR platform. The template created is failing to apply. Which parameters must be configured?

Options:

A- source IP address, source port, encoding, and sampling interval

B- source IP address, source port, encoding, and protocol

C- destination IP address, destination port, encoding, and sensor path

D- destination IP address, destination port, encoding, and protocol

Answer:

D

Explanation:

https://www.cisco.com/c/en/us/td/docs/iosxr/asr9000/telemetry/b-telemetry-cg-asr9000-61x/b- telemetry-cg-asr9000-61x_chapter_010.html