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QUESTION 1

Refer to the exhibit.

POST	/device/tools/ping/{deviceIP}
POST	/device/tools/ping/{deviceIP}
POST	/device/tools/porttopcolor/{deviceIP}
POST	/device/tools/reset/interface/{deviceIP}
POST	/device/tools/resetuser/{deviceIP}
POST	/device/tools/servicepath/{deviceIP}
POST	/device/tools/traceroute/{deviceIP}
POST	/device/tools/tunnelpath/{deviceIP}
GET	/device/cellular/connection
GET	/device/cellular/hardware
GET	/device/cellular/modem
GET	/device/cellular/network
GET	/device/cellular/profiles
GET	/device/cellular/radio
GET	/device/cellular/sessions
GET	/device/cellular/status
POST	/system/device/claimDevices
GET	/system/device/controllers/vedge/status
PUT	/system/device/decommission/{uuid}
POST	/system/device/fileupload
POST	/system/device/lifecycle/management/{uuid}
GET	/device/app-route/sla-class

End users cannot connect to the cellular network, and the signal strength is poor. A missing or unknown APN status message is present and the modem status remains in low-power mode. Which addresses the issue?

- A. Use the device/cellular/status vManage resource URI to ensure sufficient radio signal strength.
- B. Use the system/device/controllers vManage resource URI to set the platform temperature.
- C. Use the device/app-route/statistics vManage resource URI to allow packets reachability to hosts.
- D. Use the device/tools/ping vManage resource URI to allow network device reachability.

Correct Answer: D



QUESTION 2

DRAG DROP

Drag and drop the characteristic from the left onto the monitoring type described on the right.

Select and Place:

Answer Area

- Troubleshoot instant high spikes of CPU and memory load on network devices.
- Ask network devices for any metric at any time.
- Prevent network devices from listening for network connections.
- Minimize the work required by device agents by pushing data as soon as the data is generated.

Streaming Telemetry

Traditional Network Monitoring

Correct Answer:

Answer Area

Streaming Telemetry

Troubleshoot instant high spikes of CPU and memory load on network devices.

Ask network devices for any metric at any time.

Prevent network devices from listening for network connections.

Traditional Network Monitoring

Minimize the work required by device agents by pushing data as soon as the data is generated.

Reference: https://www.cisco.com/c/en/us/td/docs/iosxr/ncs5500/telemetry/70x/b-telemetry-cg-ncs5500-70x/b-telemetry-cg-ncs5500-70x_chapter_010.html



QUESTION 3

What does the command `boot ipxe forever switch 1` perform when executed on a Cisco IOS XE device?

- A. It continuously sends DHCP requests for iPXE until the device boots with an image.
- B. It continuously sends DNS requests for iPXE until the device restarts.
- C. It continuously sends DNS requests for iPXE until the device boots with an image.
- D. It continuously sends DHCP requests for iPXE until the device restarts.

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3850/software/release/16-5/configuration_guide/prog/b_165_prog_3850_cg/ipxe.html

QUESTION 4

DRAG DROP

```
$ pyang -f tree ietf-interfaces.yang
module: ietf-interfaces
  +--rw interfaces
    |   +--rw interface* [name]
    |     +--rw name                string
    |     +--rw description?        string
    |     +--rw type                 identityref
    |     +--rw enabled?            boolean
    |     +--ro statistics
    |       +--ro discontinuity-time yang:date-and-time
    |       +--ro in-unicast-pkts?  yang:counter64
    |       +--ro in-broadcast-pkts? yang:counter64
  x--ro interfaces-state
    x--ro interface* [name]
      x--ro name                string
      x--ro type                 identityref
      x--ro admin-status        enumeration {if-mib}?
      x--ro oper-status         enumeration
      x--ro statistics
        x--ro discontinuity-time yang:date-and-time
        x--ro in-octets?         yang:counter64
        x--ro in-unicast-pkts?  yang:counter64
```

Refer to the exhibit. Drag and drop the code from the bottom onto the box where the code is missing to complete the ncclient request that captures the operational data of the interfaces of a Cisco IOS XE device. Options may be used once, more than once, or not at all.

Select and Place:



```
from ncclient import manager
import xml.dom.minidom

USERNAME = 'cisco'
PASSWORD = 'cisco'
HOST = '10.10.20.181'

data = '''
  < [ ] xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
    < [ ] >
      <statistics></statistics>
    </ [ ] >
  </ [ ] >
'''

with manager.connect(host=HOST, password=PASSWORD, port=830, username=USERNAME,
                    hostkey_verify=False, device_params={'name': 'iosxe'}) as m:
    c = m.get(filter=(" [ ] ", data)).data_xml

    xml = xml.dom.minidom.parseString(c)
    xml_pretty_str = xml.toprettyxml()
    print(xml_pretty_str)
```

interfaces-state

interface-state

interfaces

xpath

subtree

interface

Correct Answer:



```
from ncclient import manager
import xml.dom.minidom

USERNAME = 'cisco'
PASSWORD = 'cisco'
HOST = '10.10.20.181'

data = '''
  < interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
    < xpath >
      <statistics></statistics>
    </ interface >
  </ interfaces-state >
'''

with manager.connect(host=HOST, password=PASSWORD, port=830, username=USERNAME,
                    hostkey_verify=False, device_params={'name': 'iosxe'}) as m:
    c = m.get(filter=(" subtree ", data)).data_xml

    xml = xml.dom.minidom.parseString(c)
    xml_pretty_str = xml.toprettyxml()
    print(xml_pretty_str)
```

interfaces-state

interface-state

interfaces

xpath

subtree

interface

QUESTION 5

DRAG DROP

Drag and Drop the AAA security features from the left onto the correct description on the right.

Select and Place:



Accounting	challenge and response operation
Authentication	feature that logs network usage
Authorization	authentication method that uses TCP
RADIUS	authentication method that uses UDP
TACACS+	controls specific access privileges of a user

Correct Answer:

	Authentication
	Accounting
	TACACS+
	RADIUS
	Authorization

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