> **Vendor: Juniper**

> **Exam Code: JN0-222**

> **Exam Name: Automation and DevOps, Associate**

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Question: 1

Which statement is correct about YAML?
A. YAML strings must have quotation marks.
B. YAML is not case-sensitive.
C. YAML files must start
D. YAML uses spaces for indentation

Answer: B

Explanation:

Question: 66

Which Python operator tests two variables to see if they contain the same value?
A. !=
B. !==
C. ==
D. =

Answer: C

Explanation:

Question:67

What is the advantage of using the REST API?
A. The REST API enables Junos devices to participate in other REST management system environments
B. The REST API is enabled by default on all Junos devices
C. By default, the REST API retrieves data from a Junos device in CSV format
D. By default, the REST API retrieves data from a Junos device in HTML format

Answer: A

Explanation:

since REST API Retrieve configuration information in XML, ASCII (plain text), or JSON, it retrieve operational data in XML, ASCII, or JSON. And you need to set the service to enable the rest API.
Guide : https://www.juniper.net/documentation/us/en/software/junos/rest-api/topics/concept/rest-api-overview.html

Question:68

Exhibit.

```
---
- name: Gathering Junos facts
  hosts: router1
  connection: local
  gather_facts: no
  roles:
      - Juniper.junos
  vars_prompt:
      - name: USERNAME
        prompt: Username
        private: no
      - name: USERPASS
        prompt: password
        private: yes
  tasks:
      - name: Get Junos facts
        junos_get_facts:
          host: "{{ inventory_hostname
          user: "{{ USERNAME }}"
          passwd: "{{ USERPASS }}"
        register: junos
      - name: Print the Junos facts
        debug:
          var: junos
```

Which type of file is shown in the exhibit?
A. Puppet manifest
B. XML file
C. Ansible playbook
D. XSLTfile

Answer: C

Explanation:

Question:69

Junos PyEZ is a microframework used to operate the Junos OS using which language?

A. Puppet
B. Chef
C. Python
D. Ruby

Answer: C

Explanation:

Reference: https://www.juniper.net/documentation/en_US/junos-pyez/topics/concept/junos-pyezoverview.html#:~:text=Junos%20PyEZ%20is%20a%20microframework,operating%20system%20(Junos%20OS).

Question: 70

Exhibit.

```
{
    "interface" : "ge-1/0/1.0",
    "address" : "192.168.1.1/24"
}
```

Referring to the exhibit, this snippet of code would represent which type of data?
A. JSON object
B. JSON array
C. YAML sequence
D. YAML mapping

Answer: A

Explanation:

Reference: https://www.juniper.net/documentation/en_US/junos-salt/topics/topic-map/junos-salt-configurationloading-commiting.html

Question: 71

Exhibit.

```
bash$ cat site.yml
- name: Retrieve Device Information
  hosts: all
  roles:
      - Juniper.junos
  connection: local
  gather_facts: no
  tasks :
  - name: Get Junos device information
    juniper_junos_facts:

bash$ cat hosts
[all]
172.25.11.1
172.25.11.2

[all:vars]
ansible_user=lab
ansible_password=lab123
```

Referring to the exhibit, which statement about the Ansible Playbook is correct?

A. The Ansible Playbook will report a syntax error
B. The Ansible Playbook execution will fail
C. The Ansible Playbook will prompt for credentials
D. The Ansible Playbook will execute successfully

Answer: D

Explanation:

Question: 72

Exhibit.

```
Routers:
  - r1
  - r2
Switches:
  - s1:
    - interface: "ge-0/0/0.0
```

Referring to the exhibit, which two code blocks are an equivalent representation in JSON? (Choose two.)

A. {"Routers":["r1","r2"],"Switches":[{"s1":[{"interface":"ge-0/0/0.0"}]}]}
B. {"routers":["r1","r2"],"switches":[{"s1":[{"interface":"ge-0/0/0.0"}]}]}
C.

```
{
  "Routers":{
      "r1",
      "r2"
  },
  "Switches":{
      {
        "s1":{
          {
            "interface": "ge-0/0/0.0"
          }
        }
      }
  }
}
```

D.

```
{
    "Routers":[
        "r1",
        "r2"
    ],
    "Switches":[
        {
            "s1":[
                {
                    "interface": "ge-0/0/0.0"
                }
            ]
        }
    ]
}
```

Answer: B, D

Explanation:

Question:73

What are two popular methods of data serialization? (Choose two.)
A. Python
B. JSON
C. SLAX
D. YAML

Answer: A, D

Explanation:

Reference: https://docs.python-guide.org/scenarios/serialization/

Question:74

Which statement about element nodes is correct?

A. Only a single root element node is allowed
B. Element nodes only consist of a single line of code
C. Element nodes cannot be nested in other element nodes
D. Only the root element node can contain other element nodes

Answer: A

Explanation:

https://en.wikipedia.org/wiki/Root_element#:~:text=Each%20XML%20document%20has%20exactly, is%20the%20element.

Question: 75

Which two statements about DevOps are correct? (Choose two.)
A. DevOps is a methodology that allows for frequent, quick modifications
B. DevOps is a methodology that ensures that collaboration does not occur across organizational boundaries
C. DevOps is a methodology used to develop software or systems
D. DevOps is a methodology that is limited to small codebase development

Answer: A, C

Explanation:

Reference: https://www.juniper.net/us/en/products-services/what-is/devnetops/

Question: 76

Which statement is correct about Infrastructure as Code (IaC)?
A. It is an infrastructure that runs identical operating systems
B. It is an infrastructure where devices are entirely virtualized
C. It is an infrastructure that is used for beta code testing
D. It is an infrastructure where devices are managed like software

Answer: D

Explanation:

Question: 77

Which two Python packages use NETCONF to interact with Junos devices? (Choose two.)

A. numpy
B. jsnapy
C. junos-eznc
D. pyyaml

Answer: B, C

Explanation:

Question: 78

Which Python code block is an example of a context manager?
A. while True:
device – Device(host-"vmx-1", user-"lab", passwd-"lab123")...
B. try:
device – Device(host-"vmx-1", user-"lab", passwd-"lab123")...
except:
print("Unable to connect to the vMX1")
C. with Device(host="vmx-1", user="lab", passwd="lab123") as device:...
D. for host in ["vmx-1", "vmx-2"]:
device – Device(host-host, user-"lab", passwd-"lab123")...

Answer: C

Explanation:

The "open" builtin function Python was implemented to support the Context Manager protocol (called using "with").

Question: 79

Which two processes does Junos automation use? (Choose two.)
A. chassisd
B. jsd
C. dcd
D. mgd

Answer: B, D

Explanation:

Reference: https://coggle.it/diagram/XW0atWn5-1ccZJer/t/junos-automation-stack

Question:80

What are two examples of XPath axes? (Choose two.)

A. grandchild
B. sibling
C. parent
D. grandparent

Answer: B, C

Explanation:

Reference: https://www.juniper.net/documentation/en_US/junos/topics/concept/junos-script-automation-xpathoverview.html

Question:81

Which type of data is contained in the key of the JSON object shown in the exhibit?

A. string
B. name
C. integer
D. interface

Answer: D

Explanation:

Question:82

According to the Manifesto for Agile Software Development, what is the highest priority?

A. continuous attention to technical excellence and good design enhances quality
B. a well-documented statement of work created before the development cycle begins
C. on-time software releases based on a quarterly or semi-annual time frame
D. customer satisfaction obtained through continuous delivery of valuable software

Answer: D

Explanation:

Reference: https://airfocus.com/glossary/what-is-agile-manifesto/#:~:text=The%20highest%20priority%20is%

Question:83

Which Ansible Playbook play parameter will prevent the system from copying the playbook to the Junos devices?

A. serial
B. gather_facts
C. environment
D. connection

Answer: D

Explanation:

Question:84

Exhibit

```
Python 3.5.2 (default, Apr 16 2020, 17:47:17)
[GCC 5.4.0 20160609] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> my_list - ["a", "b", "c", "d", "e", "f", "g"]
>>> x - my_list[1:3]
>>> print(x)
```

Referring to the exhibit, what is the output from the print(x) line?

A. ['b', 'c']
B. ['b', 'c', 'd']
C. ['a', 'b', 'c']
D. ['a', 'b']

Answer: A

Explanation:
Python 3.6.9 (default, Jan 26 2021, 15:33:00)
[GCC 8.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> my_list = ["a", "b", "c", "d", "e", "f", "g"]
>>> x = my_list[1:3]
>>> print(x)
['b', 'c']
>>>

Question:85

Which Ansible module would be used to obtain basic information about a Junos device?

A. juniper_junos_facts

B. juniper_junos_info

C. juniper_junos_rpc

D. juniper_junos_config

Answer: A

Explanation:

Question: 86

Which two statements about Ansible are correct? (Choose two.)

A. All Ansible host and group variables must be defined in the /etc/ansible/hosts directory

B. Groups can be nested and a device is allowed to participate in multiple groups

C. Separate host and group variable files can be used for larger environments

D. Groups cannot be nested and a device is allowed to participate only a single group

Answer: A, B

Explanation:

Question: 87

Exhibit.


```
<get-route-information>
<table>inet.0</table>
</get-route-information>
```

You need to translate the configuration shown in the exhibit into a PyEZ RPC call.

Which line shows the proper PyEZ syntax?

A. dev.rpc.get_route_information(table="inet.0")

B. dev.rpc.get-route-information(table="inet.0")

C. dev.rpc.get_route_information:table="inet.0"

D. dev.rpc.get-route-information:table="inet.0"

Answer: A

Explanation:

Reference: https://www.juniper.net/documentation/en_US/junos-pyez/topics/task/program/junos-pyez-rpcsexecuting.html

Question:88

What are three elements of Infrastructure as Code (IaC)? (Choose three.)

A. code review

B. integration

C. flow

D. feedback

E. version control

Answer: B, C, E

Explanation:

Question:89

Exhibit.

```
---
  - name: Update JunOS Configuration
    hosts: firewalls
    roles:
      - Juniper.junos
    connection: local
    gather_facts: no
    tasks:
    - name: Checking NETCONF
      wait_for:
          host: "{{ inventory_hostname }}"
          port: 830
          sleep: 30
    - name: Update Config
      juniper_junos_config:
          load: set
          src: "{{ inventory_hostname }}.conf"
          host: "{{ mgmt_ip }}"
          user: "{{ username }}"
          ssh_private_key_file: "{{playbook_dir}}/{{ rsa_key_name }}"
          timeout: 180
      register: out
```

Referring to the exhibit, what is the function of the register key?

A. to set an input value for the juniper_junos_rpc module

B. to configure a global setting for the playbook

C. to define a variable containing the return value from the module

D. to print a result to standard out

Answer: C

Explanation:

Question:90

Which API does the Junos CLI use to modify the configuration database?
A. REST API
B. XML API
C. JET API
D. RPC API

Explanation: