**Ansible :**

Note: Each question is 1 mark till 13th, 14th is having 2marks and 15th is having 5 marks passing marks will be 15.

**1.Which of the following terms best describes the Ansible architecture?**

a. Agentless

b. Client/Server

c. Event-driven

d. Stateless

Ans: a. Agentless

**2. Which network protocol does Ansible use by default to communicate with managed**

**nodes?**

a. HTTP

b. HTTPS

c. SNMP

d. SSH

Ans: d. SSH

**3. Which of the following files defines the actions that Ansible performs on managed**

**nodes?**

a. Host inventory

b. Manifest

c. Playbook

d. Script

Ans: a. Host inventory

**4. What syntax is used to define Ansible Playbooks?**

a. Bash

b. Perl

c. Python

d. YAML

Ans: d. YAML

**5. Which of the following statements best describes roles?**

a. Configuration settings that allow specific users to run Ansible Playbooks.

b. Playbooks for a data center.

c. Collection of YAML task files and supporting items arranged in a specific structure for

easy sharing, portability, and reuse.

Ans: c. Collection of YAML task files and supporting items arranged in a specific structure for

easy sharing, portability, and reuse.

**6. Which of the following can be specified in roles?**

a. Handlers

b. Tasks

c. Templates

d. Variables

e. All of the above

Ans: e. All of the above

**7. Which file declares role dependencies?**

a. The Ansible Playbook that uses the role.  
b. The **meta/main.yml** file inside the role hierarchy.  
c. The **meta/main.yml** file in the project directory.  
d. Role dependencies cannot be defined in Ansible.

Ans: b. The **meta/main.yml** file inside the role hierarchy.

**8. Which file in a role's directory hierarchy should contain the initial values of variables**

**that might be used as parameters to the role?**

a. **defaults/main.yml**

b. **meta/main.yml**

c. **vars/main.yml**

d. The host inventory file.

Ans: a. **defaults/main.yml**

**9. In Which Language Ansible engine written?**

a. C  
b. C++  
c. Java  
d. Python

Ans: d. Python

**10. What language is an Ansible playbooks are written in by default ?**

a. XML  
b. HTML  
c. JSON  
d. YAML

Ans: d. YAML

**11. The task is a unit action of Ansible.**  
a. Yes  
b. No  
c. Can be yes or no  
d. Can not say

**Ans: a. Yes**

**12. Which is the correct syntax of ask\_pass module in Ansible?**

1. ansible-ask-pass
2. ansible-passbook --ask-pass
3. ansible-playbook --ask-pass
4. Both A& B

Ans: c. ansible-playbook --ask-pass

### 13. Which module will you utilize to create a directory?

### a. template b.file c.data d.fetch

### Ans: b.file

14. Write a simple definition of Playbook?

Ans: An organized unit of scripts that contains single or series of instructions which can offer a repeatable, simple configuration management, reusable and multi-machine deployment, using the automation tool ansible. It is written in YAML language. Ansible playbooks are used to configure complex system environments to increase flexibility by executing a script to one or more systems. Ansible playbooks tend to be more of a configuration language than a programming language.

Ansible playbook commands use YAML format, so there is not much syntax needed, but indentation must be respected. Like the name is saying, a playbook is a collection of plays. Through a playbook, you can designate specific roles to some hosts and other roles to other hosts. By doing so, you can orchestrate multiple servers in very diverse scenarios, all in one playbook.

Here i am giving an example of ansible playbook which will help to create file in all client

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- hosts: all

tasks:

- name: Creating an empty file

file:

path: "/home/rivu/file.txt"

state: touch

become:yes

15. Write a playbook for cloning git repo to your local machine.

Ans:

- name: "git cloning"  
 hosts: all  
 tasks:  
 - name: cloning a repo  
 git:  
 repo: https://github.com/rounakbhadrarb/training.git  
 dest:  /home/rivu/repos  
 clone: yes  
 update:yes