Question 1

Refer to the exhibit.

```
Started POST "/users/auth/ldapmain/callback" for 172.17.4.98 at 2021-02-11 21:06:47 +0000
2021-02-11_21:06:49.80956 127.0.0.1 - - [11/Feb/2021:21:06:49 UTC] "GET /sidekiq HTTP/1.1" 200 57318
2021-02-11_21:06:49.80959 - -> /sidekiq
{"severity":"ERROR","timestamp":"2021-02-11T21:06:52.813Z","pid":20966,"progname":"omniauth", \
   "message":"(ldapmain) Authentication failure! ldap_error: Net::LDAP::Error, Connection timed out -
   user specified timeout"}
Processing by OmniauthCallbacksController#failure as HTML
   Parameters: {"utf8"=>"✓", "authenticity_token"=>"[FILTERED]", "username"=>"user1",
"password"=>"[FILTERED]"}
Redirected to http://192.168.24.55/users/sign in
Completed 302 Found in 119ms (ActiveRecord: 32.9ms | Elasticsearch: 0.0ms | Allocations: 40775)
{"method":"POST","path":"/users/auth/ldapmain/callback","format":"html","controller":
 "OmniauthCallbacksController","action":"failure","status":302, \
   "location":"http://192.168.24.55/users/sign_in","time":"2021-02-11T21:06:52.934Z",
   "params":[{"key":"utf8","value":"✓"}, \
   {"key":"authenticity_token","value":"[FILTERED]"},{"key":"username","value":"user1"},
   {"key":"password","value":"[FILTERED]"}], \
   "remote ip":"172.17.4.98","user_id":null,"username":null,"ua":"Mozilla/5.0
   "redis_shared_state_read_bytes":109,"redis_shared_state_write_bytes":85,"db_count":5,\
   "db_write_count":1,"db_cached_count":0,"queue_duration_s":0.008279,"cpu_s":0.11,"db_duration_s":0.03294,
   "view_duration_s":0.0,"duration_s":0.11892}
```

Recently, users have reported problems logging into an application with their usernames and passwords. The logs have captured an authentication attempt. Based on the messages and errors contained, what is the cause of the problem?

A- The sign-in redirection is sending clients to the wrong server for SSO.

B- There is a time synchronization issue between the application and LDAP.

C- Users are providing incorrect credentials when logging in.

D- The LDAP server used for authentication fails to respond to connection requests

Answer:

A

Question 2

Question Type: **MultipleChoice**

Refer to the exhibit.

```
import requests

url = "https://ios-xe-mgmt.cisco.com:9443/restconf/data/Cisco-IOS-XE-native:native"

headers = {'Authorization': 'Basic ZGV2ZZWxvcGVyOkMxc2NvMTIzNDU='}

response = requests.get(url, headers=headers, verify=False)

if response.status_code in [500, 501, 502, 503, 504]:
    print(                                                    )
```

An engineer is implementing the response for unrecoverable REST API errors. Which message needs to be placed on the snippet where the code is missing to complete the print statement?

Options:

A- 'Error; The server is unable to handle your request.' 'Error:

B- The data requested has not been found.'

C- 'Error: The rate limit has been exceeded for sending API requests at this time'

D- 'Enor: The server requires authentication to complete this request.'

Answer:

A

Question 3

Refer to the exhibit.

```
Running with gitlab-runner 12.9.0-rc1 (a350f628)
   on docker-auto-scale fa6cab46
Preparing the "docker+machine" executor
00:14
 Using Docker executor with image alpine:3.10 ...
 Pulling docker image alpine:3.10 ...
 Using docker image
sha256:5e35e350aded98340bc8fcb0ba392d809c807bc3eb5c618d4a0674d98d88bccd for
alpine:3.10...
$ eval "$CI_PRE_CLONE_SCRIPT"
   * [new ref]          refs/pipelines/125695607 -> refs/pipelines/125695607
   * [new branch]       development                  -> origin/development
 Checking out 65702af3 as development...
 Skipping Git submodules setup
Restoring cache
00:01
Downloading artifacts
00:02
Running script from Job
00:01
 $ python3 --version
 /usr/bin/bash: line 94: python3: command not found
Running after script
00:02
Uploading artifacts for failed job
00:01
 ERROR: Job failed: exit code 1
```

Which action resolves the error for the GitLab CI/CD pipeline execution?

Options:

A- Download the correct artifacts by specifying them in GitLab.

B- Use the python:3.9.0a4-alpine3.10 Docker image

C- Install the missing python libraries via pip3.

D- Add the absolute path to the python3 executable

Answer:

B

Question 4

Question Type: MultipleChoice

Refer to the exhibit. Which URI string retrieves configured static routes in a VRF named CUSTOMER from a RESTCONF-enabled device?

A)

```
/restconf/data/\
   openconfig-network-instance:network-instances/\
   network-instance/=CUSTOMER/protocols/protocol=STATIC
```

B)

```
/restconf/data/ietf-interfaces:interfaces/\
  interface/GigabitEthernet1
```

C)

```
/restconf/data/\
  openconfig-network-instance:network-instances/\
  network-instance/CUSTOMER/protocols/protocol/\
  STATIC, DEFAULT
```

D)

```
/restconf/data/\
  openconfig-network-instance:network-instances/\
  network-instance=/CUSTOMER/protocols/protocol/STATIC
```

Options:

A- Option A

B- Option B

C- Option C

D- Option D

Answer:

D

Question 5

Question Type: MultipleChoice

Refer to the exhibit.

```
Running on runner-kzy3auq6-project-2-concurrent-0 via d277177ad901...
Getting source from Git repository
Fetching changes with git depth set to 50...
Reinitialized existing Git repository in /builds/pod01/nxos_cicd/.git/
Checking out 140cb64b as master...
Skipping Git submodules setup
Executing "step_script" stage of the job script
$ ansible-playbook --syntax-check -i hosts site.yml
ERROR! We were unable to read either as JSON nor YAML, these are the errors we got from each:
JSON: Expecting value: line 1 column 1 (char 0)
Syntax Error while loading YAML.
  did not find expected '-' indicator
The error appears to be in '/builds/pod01/nxos_cicd/roles/spine/tasks/main.yml': line 5, column 3, but may
be elsewhere in the file depending on the exact syntax problem.
The offending line appears to be:
  - name: ENABLE FEATURES
  cisco.nxos.nxos_feature:
  ^ here
Cleaning up file based variables
ERROR: Job failed: exit code 1
```

A network engineer developed an Ansible playbook and committed it to GitLab. A GitLab CI pipeline is started but immediately fails. What is the issue?

Options:

A- The runner task uses an incorrect parameter.

B- The Ansible playbook task has a formatting issue.

C- The Ansible playbook has an undefined variable.

D- The runner is running the wrong Docker version.

Answer:

B

Question 6

A developer is working on a bug fix. The existing branch named 'bugfix05328' needs to be merged with the current working primary branch named 'prim404880077'. All changes must be integrated into a single commit instead of preserving them as individual commits. Which git command must be used?

Options:

A- git checkout -- --squash bugfix05328

B- git merge -- --squash bugfix05328

C- git rebase -- --merge bugfix05328

D- git push -- --rebase bugfix05328

Answer:

B

Question 7

Question Type: MultipleChoice

Refer to the exhibit.

```
$ docker service ps cisco_devnet
ID              NAME             SERVICE          IMAGE             LAST
STATE           DESIRED STATE    NODE
d61834d1d0ce    cisco_devnet.1   cisco_devnet     devnet/test:1.0   Running 25
minutes  Running          dc1.cisco.com
a8479669efee    cisco_devnet.2   cisco_devnet     devnet/test:1.0   Running 25
minutes  Running          dc1.cisco.com
0a9abcd93c47    cisco_devnet.3   cisco_devnet     devnet/test:1.0   Running 25
minutes  Running          dc2.cisco.com
ef60dadb56bc    cisco_devnet.4   cisco_devnet     devnet/test:1.0   Running 25
minutes  Running          dc3.cisco.com
88dd012de364    cisco_devnet.5   cisco_devnet     devnet/test:1.0   Running 25
minutes  Running          dc4.cisco.com
```

The cisco_devnet Docker swarm service runs across five replicas.The development team tags and imports a new image named devnet/
test:1.1 and requests that the image be upgraded on each container.There must be no service outages during the upgrade process.
Which two design approaches must be used? (Choose two.)

Options:

A- Enable parallel upgrades by using the docker service update command

B- Ensure that the service replicas are set to a minimum of 5

C- Implement rolling upgrades by using the docker service update command

D- Ensure that the service is hosted behind a VIP with no session persistence

E- Update the restart policy of the containers to restart upon failure

Answer:

C, D