**NOTES**

- *Try to answer with full command line if possible. And **all questions are Linux based except Q20**.*
- ***Please reply back with just the answers in PDF file***

---

1.  **a)** Which file usually stored system logs?

2.  **b)** You need to find out segmentation fault messages in that system log, what command line should you use?

3.  **c)** There is no segmentation fault messages in that system log, which should be in there. Any idea why? And how do you retrieve back those messages?

4.  **d)** Okay, you finally found those messages. But it's more than 300 lines long. Can you get the last 30 segmentation fault messages only?

5.  A user reported that their machine couldn't open https://www.google.com/ but they can open other websites like https://duckduckgo.com/ and https://www.bing.com/. Could you please help them check what could be the issue?
    (List out the step you takes to help the user.)

6.  One fine Monday morning, you're enjoying your cup of coffee while installing Ubuntu on a dozen of PCs, which will have to be ready by next week. Suddenly, a supervisor from another department come and ask you to help assemble a few IKEA stool chair. What would you do?

7.  It's already late but you need to run a job that will take some time on a remote machine, which you SSH into using your laptop. How do you make sure that the job will still run even though you already shut down your laptop and go home?
    And how do you check again when you come back tomorrow morning?

8.  You need to run 3 separate commands simultaneously, how can you do that from 1 terminal?

9.  List out all contents from directory named Drake/ including the hidden files and folders.

10. Please move Pretzel.txt from /Oven into /Plate

11. Rename Wheat.txt to Wheat Flour.txt

12. You need to install a new application but they only provide a file that has been archived with tar and compress with gzip. Give a step by step on what you should do starting with downloading it into /opt

13. What tools can you use to check for CPU and memory usage?

14. How do you list out running process?

15. A user reported that their machine couldn't open https:/www,google.com/ but they can open other websites like https://duckduckgo.com/ and https://www.bing.com/. Could you please help them check what could be the issue?
    (List out the step you takes to help the user.)

16. You need to install an application, Geed Primitive, with version 3.1 build 2, but the latest one is version 4.3 build 1. How can you achieve this?

17. Write an 'A' record that points pcA.localdomain to 192.167.100.111

18. Create 1 partition on a new hard disk (/dev/sdb), format it with ext4 and mount it to /backup_disk

19. A user reported that their machine slow down and lagging. What would you do? (List out the step you takes to help the user.)

20. How to restrict user from accessing Control Panel and Settings in Windows 10?