

LAB Exam - Midterm

Subject: Cyber Security

25 Marks

Time: 90 minutes

**Note: Make an output file in word include screenshot of each step you performed during the execution of commands/ questions as a final document and upload it on LMS before leaving the premises.**

Q~1

[10]

Perform and execute the following tasks :

- Write linux commands to add user and set password for the user 'anwar'
- Firewall [ ufw] write commands to enable/ disable and activate TCP syn cookies
- Change SSH default port
- Check if AppArmor is active and enabled

Q#2

[10]

Perform the following task using wireshark

1. Security analysis: Packet inspection, conversation tracking, latency analysis, anomaly detection.

Q~3

[5]

Perform the following tasks using Linux

- Run command to files from internet
- Check connectivity of another host
- Transfer data from / to a server