

TTM4536 ETISK HACKING, HØST 2016
Department of Telematics, NTNU

Exam, 01 December 2016

The student has 15 minutes to write down a sketch of the answers. Then in the next 15 minutes the student will orally explain the answers in front of the examination committee.

1. What is PyCharm and give some characteristics of PyCharm (max 10p)
2. In the lab exercises we have built a simple packet sniffer in Python. Name some of the main commands used for that sniffer. (each command brings you 2 points, max 10p)
3. What is “os” module of Python used for (4p)? Name at least 3 methods (functionalities) that we used in our hack scripts in the lab (Each functionality brings 2 points, in total max 10p)

4. How can we start a simple http server that listens the port 8080 with a single command from a terminal invoking the python interpreter? (6p) Explain the command (4p)
5. In the lab we used the git_trojan.py script to perform some simple Trojan actions on the GitHub.com servers. Name some of the basic actions that we performed working with this script. (10p)
6. Explain the non-persistent XSS attack and its risks. (10p)