1. **True** and **False** questions.

(a) (2 points) **T** SNMP is an internet protocol that allows software in a manager’s computer (manager) to interact with software that runs in an network element (agent).

(b) (2 points) **T** In SDN proactive programming paradigm, a management application instructs a controller to install rules in each network element before network traffic arrives.

(c) (2 points) **T** OpenFlow protocol uses flow table abstraction which specifies how to parse packets and handle them.

(d) (2 points) **F** In the context of SDN, the northbound interface refers to communication between the controller and the network devices (e.g. network switches)

(e) (2 points) **T** In the context of SDN, control plane refers to management functions, such as device configuration and monitoring.