## Laboratory of Network Design and Configuration - Midterm I 23 april 2018

The logical topology of the network to configure is reported in the figure. The devices to be configured are Router0, PCO and PC1.

- 1) The IP addresses should be assigned considering the following rules.
  - a. The interfaces of Router0 must have the last IP address of the blocks (in the case of a clock rate, value 64000 should be used).
  - b. In the network 11.0.0.0/8, addresses must be assigned dynamically; the first useful 10 addresses must be excluded by the dynamic assignment procedure.
- 2) OSPF protocol must be enabled on NET1 network portion, while RIP protocol must be enabled on NET2 network portion.
- 3) All networks must have an Internet access configured.
- 4) NAT must be implemented so that all hosts will use the public IP address of Se3/0 interface of Router0; the only exception is Server1 that must use an available IP address in the block of network between Router0 and Router5.

