



CALIDAD DE SERVICIOS DE RED (TLMG1005)

THIRD EXAM – SEMESTER II-2018

STUDENT:

ID:

Quien firma acepta cumplir como estudiante lo dispuesto en el Código de Ética de la ESPOL, con respecto al capítulo “Comportamiento de la Comunidad Politécnica” en todos sus artículos. En caso de no cumplimiento, se entiende aceptará las sanciones que disponga la ESPOL hacia él/ella.

Student signature:

Provide answers with technical criteria. You have the option to answer only 5 of the 6 questions given. Each worth 20 points.

- 1) Weighted Fair Queueing (WFQ) is a network scheduler. Explain how this algorithm behaves in data traffic according to the queue size, not considering the bandwidth available.

- 2) Explain in detail at least one benefit of the granularity according to the traffic differentiation (metering/coloring).

- 3) Explain a negative effect when setting policing in content providers

- 4) Explain the principle of network neutrality with its advantages and disadvantages. How end-users can be guaranteed regarding content distribution?
 - 5) Explain in detail the differences between congestion control and flow control.
 - 6) Determine and justify one adequate queuing technique for a non-multimedia traffic system without limitations from a data provider.