PAC 1

The solution should be written in PDF, DOC or ODT format and it should be delivered before the deadline date.

Deadline: 19/10/2015

1. Explain how web architectures solve the problems of scalability, concurrency and failure handling.

2. Present real examples of thin client and fat client distributed system models.

3. Explain the differences between two tiered and three tiered architectures.

4. Identify the major concepts of chapters 1 and 2 (Coulouris book) presented in the following article:

    Above the Clouds: A Berkeley View of Cloud Computing.

    http://ftp.cs.duke.edu/courses/cps296.4/compsci590.4/fall13/838-CloudPapers/AboveTheClouds.pdf

    Explain when it is worth to use a public cloud with formula (1).

5. Explain the relevance of Content Delivery Networtks (CDN) for the scalability of Internet. Describe the life cycle of a typical request passing through a CDN.

    See: http://www.cloudbus.org/reports/CDN-Taxonomy.pdf