Elec 6861 – Exam – Sample Questions
Higher Layer Telecommunication Protocols
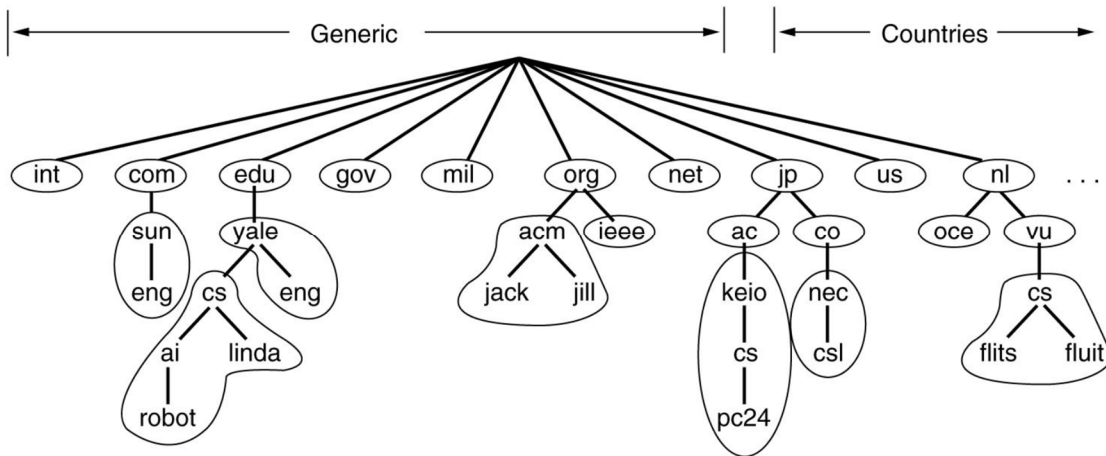
Question 1

Give two examples of issues that need to be addressed at every layer of a protocol stack

Question 2

Give two examples of architectural approaches for cross layer design and for each one of them give an example of implementation approach that could be used to implement it.

Question 3

In the figure above let us assume that fluit.cs is the originator and let us assume that there is a look up for the symbolic name jack@acm.org.

1. Draw a sequence diagram for an iterative approach with the assumption that the record has not been cached in any name server.
2. Draw a sequence diagram for a recursive approach with the assumption that the record is cached at the name server nl.

Question 4

What are the two approaches for generating dynamic Web content? For each approach give two examples of technologies that can be used.