

KFUPM - COMPUTER ENGINEERING DEPARTMENT**COE-241 – Data and Computer Communication****Quiz 01 solution key****Student Name:****Student Number:**

1) Solution:

The two protocol stacks are as shown in Figure.

OSI	TCP/IP
Application	
Presentation	Application
Session	
Transport	Transport (host-to-host)
Network	Internet
Data Link	Network Access
Physical	Physical

2) Solution:

(a) Circuit switched communication is a method where a dedicated physical path is created between the two end points. Intermediate (switching) nodes perform no processing. Example: Public switched telephone networks (PSTN).

b) Steps: (1) Call setup, (2) Info exchange, (3) Call termination.

3) (10 points)

Solution:

Confirmed services: N.connect, N.indication, N.response, and N.confirm

Unconfirmed services: N.connect, N.indication,