Test bank network (ch1-ch5)

1. Transport layer is a:
   a) Host to host delivery
   b) Process to process delivery
   c) Node to node delivery
   d) Process to host delivery

2. The session layer is responsible for
   a) Dialog control and synchronization
   b) Compression and encryption
   c) Encoding and decoding
   d) converting analog signal to digital signal

3. Presentation layer is a layer between:
   a) Session and transport layers
   b) Application and session layers
   c) Transport and session layers
   d) Application and transport layers

4. Which of the following physical addresses is not correct?
   a) 08:10:2B:12:3C:11
   b) 82:2H:31:02:33:21
   c) 71:56:4E:51:62:2F
   d) 10:2D:63:1B:12:3A

5. The period of signal is 5ms what is its frequency in MHZ:
   a) $2 * 10^{-5}$ MHZ
   b) $1 * 10^{-5}$KHZ
   c) $5 * 10^{-3}$KHZ
   d) $2 * 10^{-3}$KHZ

6. A non periodic composite signal has bandwidth of 100 KHZ with a middle frequency of 200 KHZ and a peak amplitude of 10V, what is the lowest and highest frequency:
   a) fl=100 KHZ, fh= 200 KHZ
   b) fl= 100 KHZ, fh= 300 KHZ
   c) fl= 150 KHZ, fh= 250 KHZ
   d) fl= 140 KHZ, fh=240 KHZ

7. A digital signal has 32 levels how many bits are needed per level:
   a) 2bits
   b) 3bits
   c) 5bits
   d) 4bits

8. A signal of 20 watt travel through a transmission medium and it reduced to 10watts at the receiver side the loss of power in dB through transmission medium is:
   a) −4 dB
   b) −2 dB
   c) −3 dB
   d) −5 dB

9. The PCM encoder consist of three stages:
   a) Sampling, Quantizing,encoding
   b) Sampling, packetizing, encoding
   c) Sampling, digitalizing, Quantizing
   d) Encoding, sampling, transmitting

10. If the baud rate equal = 2000 signal element per second and the total number of bits per baud = 5 final the bit rate:
    a) 1000bps
    b) 10000bps
    c) 20000bps
    d) 50000bps