**ACN-Quiz 2**

Which among the following are delivered by the transport layer in process-to-process delivery mechanism?   
  
a. Frames  
b. Datagrams  
c. Packets   
d. All of the above

Which among the following are uncontrolled and un-registered form of ephemeral ports in accordance to IANA?  
  
a. Well known Ports  
b. Registered Ports  
c. Dynamic Ports   
d. All of the above

UDP packets have fixed-size header of .......... bytes.  
  
A. 16  
B. 8  
C. 32  
D. 64

TCP assigns a sequence number to each segment that is being sent. The sequence number for each segment is number of the ....... byte carried in that segment.  
  
A. first  
B. last  
C. middle  
D. zero

A port address in TCP/IP is .........bits long.  
  
A. 32  
B. 48  
C. 16  
D. 64

Which of the following functions does UDP perform?  
  
A. Process-to-process communication  
B. Host-to-host communication  
C. End-to-end reliable data delivery  
D. Interface-to-interface communication.

A ........ is a special type of file handle, which is used by a process to request network services from the operating system.

A. socket

B. handler

C. requester

D. protocol

In the TCP segment header, .......... is a 32-bit number identifying the next data byte the sender expects from the receiver.

A. serial number

B. current number

C. sequence number

D. acknowledgement number

In the TCP segment header, .......... is a 32-bit number identifying the current position of the first data byte in the segment within the entire byte stream for the TCP connection.

A. serial number

B. current number

C. sequence number

D. acknowledgement number

The port numbers ........... are known as well known ports and they are reserved for standard circuits.

A. below 1024

B. above 1024

C. below 2048

D. below 512

In the internet model, the client program defines itself with a port number which is chosen randomly. This number is called as .......

A. Well known port numbers

B. Fixed port numbers

C. Standard port numbers

D. Ephemeral port numbers

The internet uses universal port numbers for services and these numbers are called as .......

A. Well known port numbers

B. Fixed port numbers

C. Standard port numbers

D. Ephemeral port numbers