Program: BE Electronics and Telecommunication Engineering

Curriculum Scheme: Revised 2012

Examination: Final Year Semester VIII

 Course Code:ETC803 and Course Name: Internet And Voice Communication

Time: 1 hour Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

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| Q1.  | Which of the following is not a timer type in TCP? |
| Option A: | Retransmission |
| Option B: | Persistence |
| Option C: | Un-mutable |
| Option D:  | Keep Alive |
|  |  |
| Q2. | Where is a hub specified in the OSI model? |
| Option A: | Session layer |
| Option B: | Physical layer |
| Option C: | Data link layer |
| Option D: | Application layer |
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| Q3. | The local host and the remote host are defined using IP addresses. To define the processes, we need second identifiers called \_\_\_\_\_\_\_\_\_\_\_\_. |
| Option A: |  UDP addresses |
| Option B: |  Transport addresses |
| Option C: |  Port addresses |
| Option D: |  TCP addresses  |
|  |  |
| Q4. | Which of the following is not a flow characteristic? |
| Option A: | Reliability |
| Option B: | Delay |
| Option C: | Jitter |
| Option D: | Beam-width |
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| Q5. | After obtaining the IP address, to prevent the IP conflict the client may use |
| Option A: |    Internet relay chat |
| Option B: |    Broader gateway protocol |
| Option C: |    Address resolution protocol |
| Option D:  |    Encryption of the DHCP server requests |
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| Q6. | RTP is used to |
| Option A: | carry the media stream |
| Option B: | monitor transmission statistics of streams |
| Option C: | monitor quality of service of streams |
| Option D:  | secure the stream |
|  |  |
| Q7.  |   IP layer primarily concerned with |
| Option A: |    Receiving Portion  |
| Option B: |    Transmission Portion |
| Option C: |    Network Portion |
| Option D:  |    Host Portion |
|  |  |
| Q8.  | UDP and TCP are both \_\_\_\_\_\_\_ layer protocols. |
| Option A: |  Data link |
| Option B: |  Network |
| Option C: |  Transport |
| Option D:  |  Physical |
|  |  |
| Q9. | Beyond IP, UDP provides additional services such as \_\_\_\_\_\_\_ |
| Option A: |  Routing and switching |
| Option B: |  Sending and receiving of packets |
| Option C: |  Multiplexing and demultiplexing |
| Option D:  |  Demultiplexing and error checking |
|  |  |
| Q10.  | Which of the following is not a message type in Real time transport control protocol(RTCP) |
| Option A: | Sender report |
| Option B: | Network report |
| Option C: | Receiver report |
| Option D:  | Bye message |
|  |  |
| Q11.  | To receive the signal, a translator is needed to decode the signal and encode it at a |
| Option A: |   High Quality |
| Option B: |  Same Quality |
| Option C: |   Lower Quality |
| Option D:  |    Bad Quality |
|  |  |
| Q12.  | If you use FTP, which is the highest layer you are using to transmit data |
| Option A: | Application layer |
| Option B: | Presentation layer |
| Option C: | Session layer |
| Option D: | Transport |
|  |  |
| Q13. |  Which layer is responsible for process to process delivery in a general network model? |
| Option A: |  network layer |
| Option B: |  transport layer |
| Option C: |  session layer |
| Option D:  |  data link layer |
|  |  |
| Q14.  | In Three-Way Handshaking process, the situation where both the TCP’s issue an active open is  |
| Option A: |  Mutual open |
| Option B: |  Mutual Close |
| Option C: |  Simultaneous open |
| Option D:  |  Simultaneous close |
|  |  |
| Q15. | Which of the following is a valid host for network 192.168.10.32/28? |
| Option A: | 192.168.10.39 |
| Option B: | 192.168.10.47 |
| Option C: | 192.168.10.14 |
| Option D:  | 192.168.10.54 |
|  |  |
| Q16.  | RTCP uses an odd-numbered \_\_\_\_\_\_\_ port number that follows the port number selected for RTP. |
| Option A: |  OSPF |
| Option B: |  TCP |
| Option C: |  UDP |
| Option D:  |  BGP |
|  |  |
| Q17. | The third stage in an email transfer needs a \_\_\_\_\_\_\_\_ protocol. |
| Option A: |  Pull |
| Option B: |  Push |
| Option C: |  Discard |
| Option D: |  Leave |
|  |  |
| Q18. | In classless addressing, the prefix length defines the \_\_\_\_\_\_\_\_\_\_\_\_\_. |
| Option A: |  NET-ID |
| Option B: |  HOST-ID |
| Option C: |  SEQUENCE  |
| Option D:  |  MASK |
|  |  |
| Q19.  | DHCP uses UDP port \_\_\_\_\_\_\_\_\_ for sending data to the server. |
| Option A: | 66 |
| Option B: | 67 |
| Option C: | 68 |
| Option D:  | 69 |
|  |  |
| Q20. |   Which protocol provides the synchronization between media streams? |
| Option A: |  RTP |
| Option B: |  RTCP |
| Option C: |  RPC |
| Option D: |  RTCT |
|  |  |
| Q21. | UDP uses \_\_\_\_\_\_\_ to handle incoming user datagram’s that go to different Processes on the same host. |
| Option A: |  Flow control |
| Option B: |  Multiplexing |
| Option C: |  Demultiplexing |
| Option D:  |  Error control |
|  |  |
| Q22.  | The value of acknowledgement field in a segment defines \_\_\_\_\_\_\_ |
| Option A: |  sequence number of the byte received previously |
| Option B: |  total number of bytes to receive |
| Option C: |  sequence number of the next byte to be received |
| Option D:  |  sequence of zeros and ones |
|  |  |
| Q23. | The first line of HTTP request message is called \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Option A: |  Request line |
| Option B: |  Header line |
| Option C: |  Status line |
| Option D:  |  Entity line |
|  |  |
| Q24.  | What is the measurement of packets discarded due to congestion of queues? |
| Option A: |  Bandwidth |
| Option B: |  Delay |
| Option C: |  Jitter |
| Option D:  |  Loss |
|  |  |
| Q25. | If the frames are displayed on the screen fast enough, we get an impression of  |
| Option A: |   Signals |
| Option B: |   Motions |
| Option C: |   Packets |
| Option D:  |   Bits |
|  |  |