Program: TE Electronics and Telecommunication Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: ETC603 and Course Name: Computer Communication Networks

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. | Communication between a computer and a keyboard involves \_\_\_\_\_\_\_\_\_\_\_\_\_\_ transmission. |
| Option A: | Automatic |
| Option B: | Half-duplex |
| Option C: | Full-duplex |
| Option D: | Simplex |
|  |  |
| Q2. | A \_\_\_\_\_\_\_ is the physical path over which a message travels. |
| Option A: | Path |
| Option B: | Medium |
| Option C: | Protocol |
| Option D: | Route |
|  |  |
| Q3. | A \_\_\_\_\_\_\_\_\_ set of rules that governs data communication. |
| Option A: | Protocols |
| Option B: | Standards |
| Option C: | RFCs |
| Option D: | Servers |
|  |  |
| Q4. | Three or more devices share a link in \_\_\_\_\_\_\_\_ connection |
| Option A: | Unipoint |
| Option B: | Multipoint |
| Option C: | Point to point |
| Option D: | Simplex |
|  |  |
| Q5. | The physical layer is concerned with |
| Option A: | bit-by-bit delivery |
| Option B: | process to process delivery |
| Option C: | application to application delivery |
| Option D: | port to port delivery |
|  |  |
| Q6. | Which transmission media provides the highest transmission speed in a network? |
| Option A: | Coaxial cable |
| Option B: | twisted pair cable |
| Option C: | optical fiber |
| Option D: | electrical cable |
|  |  |
| Q7. | The portion of physical layer that interfaces with the media access control sublayer is called \_ |
| Option A: | physical signalling sublayer |
| Option B: | Physical data sublayer |
| Option C: | physical address sublayer |
| Option D: | physical transport sublayer |
|  |  |
| Q8. | The physical layer is responsible for |
| Option A: | line coding |
| Option B: | channel coding |
| Option C: | Modulation |
| Option D: | all of the mentioned |
|  |  |
| Q9. | The physical layer translates logical communication requests from the \_\_\_\_\_\_ into hardware specific operations |
| Option A: | data link layer |
| Option B: | network layer |
| Option C: | transport layer |
| Option D: | application layer |
|  |  |
| Q10. | The data link layer takes the packets from \_\_\_\_\_\_\_\_\_ and encapsulates them into frames for transmission. |
| Option A: | network layer |
| Option B: | physical layer |
| Option C: | transport layer |
| Option D: | application layer |
|  |  |
| Q11. | Which sublayer of the data link layer performs data link functions that depend upon the type of medium? |
| Option A: | Logical link control sublayer |
| Option B: | Media access control sublayer |
| Option C: | network interface control sublayer |
| Option D: | error control sublayer |
|  |  |
| Q12. | Which of the following is a data link protocol? |
| Option A: | ethernet |
| Option B: | point to point protocol |
| Option C: | hdlc |
| Option D: | all of the mentioned |
|  |  |
| Q13. | The network layer is concerned with \_\_\_\_\_\_\_\_\_\_ of data. |
| Option A: | bits |
| Option B: | frames |
| Option C: | packets |
| Option D: | bytes |
|  |  |
| Q14. | A 4 byte IP address consists of \_ |
| Option A: | only network address |
| Option B: | only host address |
| Option C: | network address & host address |
| Option D: | network address & MAC address |
|  |  |
| Q15. | In virtual circuit network each packet contains \_\_\_ |
| Option A: | full source and destination address |
| Option B: | a short VC number |
| Option C: | only source address |
| Option D: | only destination address |
|  |  |
| Q16. | Which one of the following algorithm is not used for congestion control? |
| Option A: | traffic aware routing |
| Option B: | admission control |
| Option C: | load shedding |
| Option D: | routing information protocol |
|  |  |
| Q17. | The network layer protocol for internet is |
| Option A: | ethernet |
| Option B: | internet protocol |
| Option C: | hypertext transfer protocol |
| Option D: | file transfer protocol |
|  |  |
| Q18. | Transport layer aggregates data from different applications into a single stream before passing it to |
| Option A: | network layer |
| Option B: | data link layer |
| Option C: | application layer |
| Option D: | physical layer |
|  |  |
| Q19. | Which of the following are transport layer protocols used in networking? |
| Option A: | TCP and FTP |
| Option B: | UDP and HTTP |
| Option C: | TCP and UDP |
| Option D: | HTTP and FTP |
|  |  |
| Q20. | Transmission control protocol \_\_\_\_\_\_\_\_\_\_\_ |
| Option A: | is a connection-oriented protocol |
| Option B: | uses a three way handshake to establish a connection |
| Option C: | receives data from application as a single stream |
| Option D: | all of the mentioned |
|  |  |
| Q21. | An endpoint of an inter-process communication flow across a computer network is called |
| Option A: | socket |
| Option B: | pipe |
| Option C: | port |
| Option D: | machine |
|  |  |
| Q22. | Which one of the following is a version of UDP with congestion control |
| Option A: | datagram congestion control protocol |
| Option B: | stream control transmission protocol |
| Option C: | structured stream transport |
| Option D: | user congestion control protocol |
|  |  |
| Q23. | Transport layer protocols deals with |
| Option A: | application to application communication |
| Option B: | process to process communication |
| Option C: | node to node communication |
| Option D: | man to man communication |
|  |  |
| Q24. | Which of the following is a transport layer protocol? |
| Option A: | stream control transmission protocol |
| Option B: | internet control message protocol |
| Option C: | neighbor discovery protocol |
| Option D: | dynamic host configuration protocol |
|  |  |
| Q25. | Physical or logical arrangement of network is \_\_\_\_\_\_\_\_\_\_ |
| Option A: | Topology |
| Option B: | Routing |
| Option C: | Networking |
| Option D: | Control |