Program: BE Electronics & 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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**SAMPLE PAPER**

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

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| Q1.  | TCP/IP is composed of \_\_\_\_\_\_\_ number of layers.  |
| Option A: | 2 |
| Option B: | 3 |
| Option C: | 4 |
| Option D:  | 7 |
|  |  |
| Q2. | Which layer is used to link the network support layers and user support layers? |
| Option A: | Session layer |
| Option B: | Data link layer  |
| Option C: | Transport layer |
| Option D: | Network layer  |
|  |  |
| Q3. | TCP/IP layer is equivalent to combined Session, Presentation and \_\_\_\_\_\_\_\_\_ . |
| Option A: | Network layer  |
| Option B: | Application layer  |
| Option C: | Transport layer  |
| Option D: | Physical layer |
|  |  |
| Q4. | A router receives a packet with the destination address 132.7.21.84. Find the network address of the packet. |
| Option A: | 1.32.7  |
| Option B: | 132.7 |
| Option C: | 13.27 |
| Option D: | 21.84 |
|  |  |
| Q5. | What is the purpose of the DHCP server? |
| Option A: | to provide storage for email  |
| Option B: | to translate URLs to IP addresses |
| Option C: | to translate IPv4 addresses to MAC addresses |
| Option D:  | to provide an IP configuration information to hosts |
|  |  |
| Q6. | In File Transfer Protocol, data transfer cannot be done in which mode?  |
| Option A: | Stream mode |
| Option B: | Block mode |
| Option C: | Compressed mode  |
| Option D:  | Message mode |
|  |  |
| Q7.  | HTTP client requests by establishing a \_\_\_\_\_\_\_\_\_\_ connection to a particular port on the server. |
| Option A: | User Datagram Protocol |
| Option B: | Transmission Control Protocol |
| Option C: | Border Gateway Protocol |
| Option D:  | Domain Host Configuration Protocol |
|  |  |
| Q8.  | If the value in protocol field is 17, the transport layer protocol used is |
| Option A: | Transmission Control Protocol |
| Option B: | User Datagram Protocol |
| Option C: | Internet Control Message Protocol |
| Option D:  | Internet Group Management Protocol |
|  |  |
| Q9. | In TCP, sending and receiving data is done as  |
| Option A: | Stream of bytes |
| Option B: | Sequence of characters  |
| Option C: | Lines of data  |
| Option D:  | Packets  |
|  |  |
| Q10.  | Connection establishment in TCP is done by which mechanism?  |
| Option A: | Flow control |
| Option B: | Three-Way Handshaking |
| Option C: | Forwarding  |
| Option D:  | Synchronization |
|  |  |
| Q11.  | Size of TCP segment header ranges between  |
| Option A: | 16 and 32 bytes |
| Option B: | 16 and 32 bits |
| Option C: | 20 and 60 bytes  |
| Option D:  | 20 and 60 bits |
|  |  |
| Q12.  | When a router cannot route a datagram or host cannot deliver a datagram, the datagram is discarded and the router or the host sends an error message back to the source host that initiated the datagram. Which type of error message is generated? |
| Option A: | Destination unreachable  |
| Option B: | Source quench  |
| Option C: | Router error  |
| Option D: | Time exceeded |
|  |  |
| Q13. | Network addresses are a very important concept of |
| Option A: | Routing |
| Option B: | Masking |
| Option C: | IP Addressing |
| Option D:  | Classless Addressing |
|  |  |
| Q14.  | The size of an IP address in IPv4  |
| Option A: | 4 bytes  |
| Option B: | 128 bits |
| Option C: | 32 bits |
| Option D:  | 100 bits  |
|  |  |
| Q15. | Which of the given Class of IP addressing is used for multicasting?  |
| Option A: | Class E |
| Option B: | Class C |
| Option C: | Class F |
| Option D:  | Class D |
|  |  |
| Q16.  | Which of the following is not applicable for IP?  |
| Option A: | Error reporting |
| Option B: | Handle addressing conventions |
| Option C: | Datagram format |
| Option D:  | Packet handling conventions |
|  |  |
| Q17. | In Streaming stored audio/video, the files are compressed and stored on |
| Option A: | IP |
| Option B: | Server |
| Option C: | Domain |
| Option D: | Internet |
|  |  |
| Q18. | Audio Compression can be used for  |
| Option A: | Speech or Music |
| Option B: | Voice and Video |
| Option C: | Pictures or Colors |
| Option D:  | Video and Colors |
|  |  |
| Q19.  | Which protocol provides the synchronization between media streams?  |
| Option A: | RTP  |
| Option B: | RTCP  |
| Option C: | RPC  |
| Option D:  | RTCT  |
|  |  |
| Q20. | In the \_\_\_\_\_\_\_\_ traffic model, the rate of the data flow changes in time, with the changes smooth instead of sudden and sharp.  |
| Option A: | Constant bit rate |
| Option B: | Variable bit rate |
| Option C: | Bursty |
| Option D: | Streaming |
|  |  |
| Q21. | RTCP stands for ? |
| Option A: | Real -time Transport Protocol |
| Option B: | Real -time Transport Packet |
| Option C: | Real -time Transport Program |
| Option D:  | Real -time Transport Control Protocol |
|  |  |
| Q22.  | A standard to allow telephones on the public telephone network to talk to computers connected to the Internet.  |
| Option A: | SIP  |
| Option B: | H.323  |
| Option C: | Q.991 |
| Option D:  | H.264 |
|  |  |
| Q23. | H.323 uses G.71 or G.723.1 for \_\_\_\_\_\_\_\_\_. |
| Option A: | Compression |
| Option B: | Communication |
| Option C: | Controlling  |
| Option D:  | Conferencing  |
|  |  |
| Q24.  | In Voice over IP, term SIP stands for \_\_\_\_\_\_\_\_\_.  |
| Option A: | Session Initiation Protocol |
| Option B: | Session Initiation Packet |
| Option C: | Session Initiation Port |
| Option D:  | Session Initiation Path |
|  |  |
| Q25. | In Session Initiation Protocol (SIP), the session can be terminated with a  |
| Option A: | OK Message  |
| Option B: | Bye Message  |
| Option C: | Terminate Message |
| Option D:  | Quit Message |