Program: BE Electronics and Telecommunication Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: ETC603 and Course Name: Computer Communication and Telecom 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. | Wireless transmission can be done |
| Option A: | only radio waves |
| Option B: | electromagnetic waves |
| Option C: | ultra waves |
| Option D: | radio, infrared and microwaves |
|  |  |
| Q2. | TCP process may not write and read data at the same speed. So we need \_\_\_\_\_\_\_\_\_\_ for storage. |
| Option A: | Packets |
| Option B: | Buffers |
| Option C: | Segments |
| Option D: | Stacks |
|  |  |
| Q3. | The size of an IP address in IPv6 is \_\_\_\_\_\_\_\_\_ |
| Option A: | 4 bytes |
| Option B: | 128 bits |
| Option C: | 8 bytes |
| Option D: | 100 bits |
|  |  |
| Q4. | A port address in UDP is \_\_\_\_\_\_\_bits long. |
| Option A: | 8 |
| Option B: | 16 |
| Option C: | 32 |
| Option D: | 48 |
|  |  |
| Q5. | OSI stands for \_\_\_\_\_\_\_\_\_\_ |
| Option A: | open system interconnection |
| Option B: | operating system interface |
| Option C: | optical service implementation |
| Option D: | open service Internet |
|  |  |
| Q6. | The network layer protocol for internet is \_\_\_\_\_\_\_\_\_\_ |
| Option A: | Ethernet |
| Option B: | internet protocol |
| Option C: | hypertext transfer protocol |
| Option D: | file transfer protocol |
|  |  |
| Q7. | The computation of the shortest path in OSPF is usually done by \_\_\_\_\_\_\_\_\_\_\_\_ |
| Option A: | Bellman-ford algorithm |
| Option B: | Routing information protocol |
| Option C: | Dijkstra’s algorithm |
| Option D: | Distance vector routing |
|  |  |
| Q8. | Which of the following field in IPv4 datagram is not related to fragmentation? |
| Option A: | Flags |
| Option B: | Offset |
| Option C: | TOS |
| Option D: | Identifier |
|  |  |
| Q9. | The sizes of source and destination port address in TCP header are \_\_\_\_\_\_\_\_\_\_\_ respectively. |
| Option A: | 16-bits and 32-bits |
| Option B: | 16-bits and 16-bits |
| Option C: | 32-bits and 16-bits |
| Option D: | 32-bits and 32-bits |
|  |  |
| Q10. | Which of the following protocol is/are defined in Transport layer? |
| Option A: | FTP |
| Option B: | TCP |
| Option C: | UDP |
| Option D: | TCP & UDP |
|  |  |
| Q11. | In a URL, the \_\_\_\_\_\_\_ is the client-server program used to retrieve the document. |
| Option A: | path |
| Option B: | Protocol |
| Option C: | Host |
| Option D: | Client |
|  |  |
| Q12. | Congestion in a network or Internetwork occurs because Router & Switches have ----- |
| Option A: | Tables |
| Option B: | Queues |
| Option C: | Crosspoint |
| Option D: | Path |
|  |  |
| Q13. | ------- deals with the issues of creating & maintaining routing tables |
| Option A: | Forwarding |
| Option B: | Routing |
| Option C: | Directing |
| Option D: | Monitoring |
|  |  |
| Q14. | Application layer offers \_\_\_\_\_\_\_ service. |
| Option A: | End to end |
| Option B: | Process to process |
| Option C: | Both End to end and Process to process |
| Option D: | None of the mentioned |
|  |  |
| Q15. | WiMAX provides \_\_\_\_\_\_\_\_ |
| Option A: | simplex communication |
| Option B: | half duplex communication |
| Option C: | full duplex communication |
| Option D: | no communication |
|  |  |
| Q16. | The \_\_\_\_\_\_ field is used to detect errors over the entire user datagram. |
| Option A: | udp header |
| Option B: | checksum |
| Option C: | source port |
| Option D: | destination port |
|  |  |
| Q17. | In virtual circuits network each packet contains |
| Option A: | full source and destination |
| Option B: | only source |
| Option C: | only destination |
| Option D: | a short VCC number |
|  |  |
| Q18. | Application layer is implemented in |
| Option A: | End system |
| Option B: | NIC |
| Option C: | Ethernet |
| Option D: | None of the mentioned |
|  |  |
| Q19. | In ------ method no station is superior to another station and none is assigned the control over another |
| Option A: | Random access |
| Option B: | Controlled access |
| Option C: | Channelization |
| Option D: | Uncontrolled access |
|  |  |
| Q20. | Virtual circuit identifier in frame relay is called \_\_\_\_\_\_ |
| Option A: | data link connection identifier |
| Option B: | frame relay identifier |
| Option C: | cell relay identifier |
| Option D: | circuit connection identifier |
|  |  |
| Q21. | Telnet is used for \_\_\_\_\_\_\_ |
| Option A: | Television on net |
| Option B: | Network of Telephones |
| Option C: | Remote Login |
| Option D: | Teleshopping site |
|  |  |
| Q22. | A one-to-all communication between one source and all hosts on a network is classified as a \_\_\_\_\_\_\_ communication. |
| Option A: | Unicast |
| Option B: | Multicast |
| Option C: | Broadcast |
| Option D: | Chromcast |
|  |  |
| Q23. | ATM can be used for \_\_\_\_\_\_\_\_ |
| Option A: | local area network |
| Option B: | wide area network |
| Option C: | campus area network |
| Option D: | networks covering any range |
|  |  |
| Q24. | Which is not a application layer protocol? |
| Option A: | HTTP |
| Option B: | SMTP |
| Option C: | FTP |
| Option D: | TCP |
|  |  |
| Q25. | WiMAX stands for \_\_\_\_\_\_\_\_\_\_\_ |
| Option A: | wireless maximum communication |
| Option B: | worldwide interoperability for microwave access |
| Option C: | worldwide international standard for microwave access |
| Option D: | wireless internet maximum communication |
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