Program: BE Electronics & Telecommunication Engineering

Curriculum Scheme: Revised 2016

Examination: Final Year Semester VII

Course Code: ECCDLO7033 and Course Name: Internet Communication Engineering

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. | Pretty Good Privacy (PGP) is used in which type of security? |
| Option A: | Browser security |
| Option B: | Email security |
| Option C: | FTP security |
| Option D: | WiFi security |
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| Q2. | Wildcard domain names start with which label? |
| Option A: | @ |
| Option B: | \* |
| Option C: | & |
| Option D: | # |
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| Q3. | Which key is used by SSH to authenticate the remote computer? |
| Option A: | Public-key Cryptography |
| Option B: | Private-key Cryptography |
| Option C: | Mixed-key Cryptography |
| Option D: | Public-key & Private-key Cryptography |
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| Q4. | DHCP (dynamic host configuration protocol) provides which address to the client? |
| Option A: | IP address |
| Option B: | MAC address |
| Option C: | Frame address |
| Option D: | Physical address |
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| Q5. | Which operating mode of Telnet is a full duplex? |
| Option A: | Default mode |
| Option B: | Server mode |
| Option C: | Line mode |
| Option D: | Character mode |
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| Q6. | When a DNS server accepts and uses incorrect information from a host that has no authority giving that information, then it is called as |
| Option A: | DNS Lookup |
| Option B: | DNS Hijacking |
| Option C: | DNS Spoofing |
| Option D: | DNS Authorizing |
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| Q7. | A router cannot route a datagram or host cannot deliver a datagram and the datagram is discarded. Which type of error message is generated and send by the router or the host back to the source host that initiated the datagram? |
| Option A: | Destination unreachable |
| Option B: | Source quench |
| Option C: | Router error |
| Option D: | Time exceeded |
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| Q8. | Dynamic web page |
| Option A: | is same every time whenever it displays |
| Option B: | generates on demand by a program or a request from browser |
| Option C: | it is same every time whenever it displays and generates on demand by a program or a request from browser |
| Option D: | is different always in a predefined order |
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| Q9. | An alternative to JavaScript on windows platform is |
| Option A: | VBScript |
| Option B: | ASP.NET |
| Option C: | JSP |
| Option D: | PHP |
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| Q10. | MIME stands for |
| Option A: | Multipurpose Internet Mail Extra |
| Option B: | Multipurpose Internet Mail End |
| Option C: | Multipurpose Internet Mail Email |
| Option D: | Multipurpose Internet Mail Extension |
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| Q11. | A connection in SCTP is known as |
| Option A: | Association |
| Option B: | Negotiation |
| Option C: | Transmission |
| Option D: | Reception |
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| Q12. | In SCTP the acknowledgement numbers are used to acknowledge |
| Option A: | Both Data chunks and Control Chunks |
| Option B: | Only Data chunks |
| Option C: | Only Control chunks |
| Option D: | Segments |
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| Q13. | In which algorithm of TCP, the size of the congestion window increases exponentially until it reaches a threshold? |
| Option A: | Slow-start |
| Option B: | Congestion avoidance |
| Option C: | Congestion detection |
| Option D: | Collision detection |
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| Q14. | What is the main advantage of UDP? |
| Option A: | More overload |
| Option B: | Reliable |
| Option C: | Low overhead |
| Option D: | Fast |
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| Q15. | Which is the correct expression for the length of UDP datagram? |
| Option A: | UDP length = IP length – IP header’s length |
| Option B: | UDP length = UDP length – UDP header’s length |
| Option C: | UDP length = IP length + IP header’s length |
| Option D: | UDP length = UDP length + UDP header’s length |
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| Q16. | The TTL field has value 10. How many maximum routers are required to process this datagram? |
| Option A: | 11 |
| Option B: | 5 |
| Option C: | 10 |
| Option D: | 1 |
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| Q17. | A host address is 141.14.120.77 and the mask is 255.255.192.0. Determine the subnetwork address. |
| Option A: | 141.14.0.0 |
| Option B: | 141.14.64.0 |
| Option C: | 141.14.120.0 |
| Option D: | 141.14.192.0 |
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| Q18. | Intrusion Detection System follows a two-step process consisting of a passive component and an active component. Which of the following is part of the active component? |
| Option A: | Inspection of password files to detect inadvisable passwords |
| Option B: | Mechanisms put in place to re-enact known methods of attack and record system responses. |
| Option C: | Inspection of system to detect policy violations |
| Option D: | Inspection of configuration files to detect inadvisable settings |
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| Q19. | A firewall is installed at the point where the secure internal network and untrusted external network meet which is also known as ? |
| Option A: | Choke point |
| Option B: | Meeting point |
| Option C: | Firewall point |
| Option D: | Secure point |
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| Q20. | What provides authentication at the IP level? |
| Option A: | Authentication Header |
| Option B: | Encrypted Security Payload |
| Option C: | Pretty Good Privacy |
| Option D: | Secure Socket Layer |
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| Q21. | To determine which version to use when sending a packet to a destination, the source host queries which of the following? |
| Option A: | Dual Stack |
| Option B: | Domain Name Server |
| Option C: | Header information |
| Option D: | Transport Layer |
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| Q22. | Name the strategy used when two computers using IPv6 want to communicate with each other and the packet must pass through a region that uses IPv4. |
| Option A: | Dual stack |
| Option B: | Header translation |
| Option C: | Conversion |
| Option D: | Tunneling |
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| Q23. | A technique used to compress Video. |
| Option A: | MPEG |
| Option B: | JPEG |
| Option C: | Silence Compression |
| Option D: | Companding |
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| Q24. | What is the purpose of Real Time Transport Protocol (RTP)? |
| 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 |
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| Q25. | In \_\_\_\_\_\_\_\_ queuing, packets are first assigned to a priority class and each class has its own queue. |
| Option A: | FIFO |
| Option B: | Priority |
| Option C: | Weighted fair |
| Option D: | LIFO |