1. Which layer of the OSI model is responsible for medium access control in wireless networks?
a) Data Link Layer
b) Network Layer
c) Physical Layer
d) Transport Layer

Answer: a) Data Link Layer
Explanation: The Data Link Layer of the OSI model deals with the access to the physical medium in wireless networks, including protocols such as CSMA/CA and CSMA/CD.

2. Which routing approach is commonly used in traditional wired networks?
a) Ad-hoc Routing
b) Reactive Routing
c) Proactive Routing
d) Geographic Routing

Answer: c) Proactive Routing
Explanation: Proactive routing, also known as table-driven routing, is commonly used in traditional wired networks. It involves maintaining consistent routing information regardless of network changes.

3. Which protocol is responsible for mobility management in the Mobile Network Layer?
a) TCP
b) IP
c) ICMP
d) Mobile IP

Answer: d) Mobile IP
Explanation: Mobile IP is a protocol used for mobility management in the Mobile Network Layer, allowing mobile devices to maintain continuous network connectivity despite changing points of attachment to the Internet.

4. What is the purpose of the Data Forwarding procedure in Mobile IP?
a) To manage congestion in the network
b) To forward data packets between a mobile node and its home agent
c) To encrypt data packets for secure transmission
d) To assign IP addresses to mobile devices dynamically

Answer: b) To forward data packets between a mobile node and its home agent
Explanation: The Data Forwarding procedure in Mobile IP involves the transmission of data packets between a mobile node and its home agent to ensure seamless communication while the mobile node moves across different networks.

5. Which TCP variant is known for its conservative approach to congestion control?
a) Reno
b) New-Reno
c) Tahoe
d) Vegas

Answer: c) Tahoe
Explanation: Tahoe TCP is known for its conservative approach to congestion control, implementing slow start and congestion avoidance mechanisms.

6. Which TCP variant introduces the concept of Fast Recovery?

a) Reno
b) New-Reno
c) Tahoe
d) Vegas

Answer: b) New-Reno
Explanation: New-Reno TCP introduces the concept of Fast Recovery, allowing for more efficient recovery from packet loss compared to the original Reno TCP.

7. Which TCP variant is designed specifically for mobile networks to adapt to changing network conditions?
a) Reno
b) New-Reno
c) Mobile TCP
d) Tahoe

Answer: c) Mobile TCP
Explanation: Mobile TCP is designed specifically for mobile networks, incorporating mechanisms to adapt to changing network conditions and minimize the impact of handovers and packet loss.

8. Which protocol is commonly used for applications that require low-latency communication and can tolerate some packet loss?
a) TCP
b) UDP
c) ICMP
d) IPsec

Answer: b) UDP
Explanation: UDP (User Datagram Protocol) is commonly used for applications that require low-latency communication and can tolerate some packet loss, such as real-time multimedia streaming and online gaming.

9. What is the primary function of the Congestion Window in TCP congestion control?
a) To determine the maximum segment size
b) To regulate the rate at which packets are sent
c) To manage the retransmission of lost packets
d) To encrypt data packets for secure transmission

Answer: b) To regulate the rate at which packets are sent
Explanation: The Congestion Window in TCP congestion control regulates the rate at which packets are sent, dynamically adjusting based on network conditions to avoid congestion and optimize throughput.

10. Which TCP variant is known for its use of explicit congestion notification (ECN)?
a) Reno
b) New-Reno
c) Tahoe
d) Vegas

Answer: d) Vegas
Explanation: Vegas TCP is known for its use of explicit congestion notification (ECN), allowing for more proactive congestion control by detecting congestion before packet loss occurs.

Related Posts:

1. Review of Cellular Networks MCQS
2. LTE systems MCQS
3. Wireless Sensor Networks MCQS
4. Internet of things (IoT) and GPS systems MCQS
5. Web Development Essentials MCQs
6. HTML MCQs
7. Style sheets MCQs
8. XML MCQs
9. PHP and MySQL MCQs
10. Basics of programming MCQs
11. Decision control structure MCQs
12. Array MCQS
13. C Programming Essentials Structures, Preprocessor, and Unions MCQs
14. Basic concepts of OOP MCQS
15. Unix/Linux MCQs
16. The Shell Basic Commands, Shell Programming MCQs
17. File System MCQs
18. Process Control MCQS
19. System Security MCQs.
20. Dynamic Host Configuration Protocol MCQs
21. Introduction to Energy Science MCQs
22. Ecosystems mcqs
23. Biodiversity and its conservation MCQs
24. Environmental Pollution mcqs
25. Social Issues and the Environment mcqs
26. Signals and Systems MCQs

27. Linear Time- Invariant Systems mcqs
28. z-Transform mcqs
29. Fourier analysis of discrete time signals mcqs
30. State-Space Analysis, Sampling Theorem, and Signal Reconstruction mcqs
31. Frequency domain representation of signal mcqs
32. Modulation Techniques mcqs
33. FM Modulation & Transmission MCQs
34. Understanding AM and FM Transmission Noise and Receiver Characteristics
35. Control System MCQs: Basics, Feedback, and Analysis
36. Control System Analysis MCQs
37. Frequency Domain Analysis MCQs
38. System Design and Compensation Techniques MCQs
39. State Space & Control Systems MCQs
40. Feedback Amplifiers and Oscillators MCQs
41. Introduction to ICs and Op-Amps MCQs
42. Op-Amp Characteristics MCQs
43. OP-AMP applications MCQs
44. Electronic Circuits with 555 Timer MCQs
45. Voltage Regulator MCQs
46. Discrete-Time Signals and Systems MCqs
47. The z-Transformmcqs
48. Frequency Analysis of Discrete Time Signals mcqs
49. Efficient Computation of the DFT mcqs
50. Digital filters Design Techniques Mcqs
51. Radiation mcqs
52. Antenna Fundamentals mcqs
53. Types of antennas mcqs

54. Aperture and slot mcqs
55. Propagation of radio waves mcqs
56. Data Communication mcqs
57. OSI model mcqs
58. ERROR CONTROL AND DATA LINK PROTOCOLS mcqs
59. NETWORKS mcqs
60. NETWORKING DEVICES AND TCP / IP PROTOCOL SUITE mcqs
61. CMOS VLSI Circuit Design MCQs
62. Specification of sequential systems mcqs
63. Satellite Systems and Orbital Mechanics MCQs
64. Satellite Communication & Polarization MCQs
65. Satellite and Earth Segment MCQs
66. Satellite Communication MCQs
67. Satellite Services MCQs
68. 8051 Interfacing & Serial Communication MCQs
69. MCU Overview 8096 and PIC mcqs
70. Introduction to Embedded Systems mcqs
71. Embedded System Architecture mcqs
72. Input Output and Peripheral Devices mcqs
73. PHYSIOLOGY AND TRANSDUCERS mcqs
74. ELECTRO – PHYSIOLOGICAL MEASUREMENTS mcqs
75. NON-ELECTRICAL PARAMETER MEASUREMENTS mcqs
76. MEDICAL IMAGING MCQS
77. ASSISTING AND THERAPEUTIC EQUIPMENTS MCQS
78. Power Semiconductor Switches MCQS
79. Rectifiers and Thyristors MCQs
80. Inverters & Cycloconverters Inverters MCQs

81. AC Voltage Controllers MCQs
82. DC – DC Converters MCQS
83. Practical Consideration and Technology in VLSI Design MCQs
84. Device Modeling MCQs
85. Circuit Simulation MCQs
86. Structured Digital Circuits and Systems MCQs
87. CMOS Processing Technology MCQs
88. Microwave Engineering MCQs
89. Microwave Semiconductor Devices MCQs
90. RF Network Analysis & Measurement MCQs
91. Microwave Components and Circuits MCQs
92. RF & Microwave Circuit Design MCQs
93. Information Theory MCQs
94. Coding theorem MCQs
95. Information Channels MCQs
96. Error Control Coding MCQs
97. BCH and Convolutional Codes MCQs
98. Nanoscale Semiconductor Physics MCQs
99. Introduction to lithography MCQs
100. Tunnel Junctions and Tunneling Phenomena MCQs
101. Nanoelectronics MCQs
102. Scaling of physical systems MCQs
103. Cellular Mobile Systems MCQs
104. Wireless Communication Essentials MCQs
105. Cochannel interference reduction MCQs
106. Types of Noncochannel interference MCQS
107. Cellular Network Management MCQs

108. Digital Cellular Systems MCQs
109. IoT Essentials MCQs
110. IoT Technologies MCQs
111. Design Principles for Web Connectivity MCQs
112. IoT Technologies MCQS
113. IOT Design methodology MCQs
114. Probability and Random Variable MCQs
115. Probability Distributions and Expectations MCQs
116. Multiple Random Variables MCQS
117. Stochastic Processes MCQs
118. Optical Fiber Basics MCQs
119. Signal degradation in Optical Fibre MCQs
120. Optical sources and detectors MCQs
121. Optical Communication MCQs
122. Optical networks and amplifiers MCQS
123. 5G Wireless Communications MCQ
124. 5G Wireless Propagation Channels MCQS
125. 5G Transmission and Design Techniques MCQS
126. D2D and M2M Communications MCQS
127. Millimeter-Wave Communications MCQs
128. Digital Image Processing MCQs
129. Transforms and Their Properties MCQs
130. Image Enhancement Techniques MCQs
131. Image Restoration MCQs
132. Compression & Image Watermarking MCQs
133. Speech Processing Fundamentals MCQs
134. Speech Distortion Analysis MCQs

135. HMMs in Speech Modeling MCQs
136. Large Vocabulary Continuous Speech RecognitioN MCQS
137. Text-to-Speech Synthesis MCQS
138. Theory of Measurement MCQs
139. Cathode Ray Tubes, Oscilloscopes, and Bridge Circuits MCQs
140. Transducer MCQs
141. Signal and Function Generators, Displays MCQS
142. Digital and Analog Conversion MCQs
143. Number Systems MCQS
144. Combinational logic circuits MCQS
145. Sequential Logic Design MCQs
146. Registers and Counters MCQS
147. Logic Families and Semiconductor Memories MCQS
148. Semiconductor MCQs
149. Diode Circuits & Power Supply MCQs
150. Fundamentals of BJT MCQS
151. Small Signal analysis MCQs
152. Electronic Devices MCQs
153. Introduction to circuit theory MCQS
154. Network Graph theory MCQs
155. Network Theorems MCQS
156. Electrical Circuit Analysis and Laplace Transform MCQs
157. Two port parameters MCQS
158. Evolution of Microprocessors: From 8086 to Pentium MCQs
159. 8086 Microprocessor MCQs
160. Interfacing Chips in Microprocessor Systems MCQS
161. Peripheral Devices in Computer Systems MCQS

189. Advanced topics and case studies in knowledge management MCQs
190. Research Methodology MCQs
191. Understanding Block chain for Enterprises MCQs
192. Introduction to modern processors MCQs
193. Object Oriented Design MCQs
194. Systems and Interactivity Understanding Choices and Dynamics MCQs
195. Innovation Management MCQs
196. Database Management System (DBMS) MCQs
197. BIG DATA TECHNOLOGIES MCQs
198. Pattern Recognition MCQs
199. Paints, Enamels and Varnishes MCQs
200. Building Planning MCQS