NPTEL » Cloud computing

1 point

Unit 2 - Week 0 Assignment 0

| Course outline |
|---------------------------------------|
| How does an NPTEL online course work? |
| Week 0 Assignment 0 |
| Ouiz: Week 0 Assignment 0 |
| Week 1 |
| Week 2 |
| Week 3 |
| Week 4 |
| Week 5 |
| Week 6 |
| Week 7 |
| Week 8 |
| Text Transcripts |
| Books |
| Detail Solution |
| Live Interactive Session |
| |
| |
| |
| |
| |

Week 0 Assignment 0 Due on 2020-02-24, 23:59 IST. The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. In the TCP/IP model, encryption and decryption are functions of _____ layer? 1 point a. Datalink Layer b. Network Layer c. Transport Layer d. Application Layer □ a. □ b. _ c. □ d. No, the answer is incorrect. Score: 0 Accepted Answers: 1 point The design issue of Datalink Layer in OSI (Open System Interconnections) Reference Model is a. Framing b. Representation of bits c. Synchronization of bits d. Connection control □ b. No, the answer is incorrect. Score: 0 Accepted Answers: 1 point Which device uses logical addressing system? a. Hub b. Switch c. Bridge d. Router a. □ b. □ c. □ d. No, the answer is incorrect. Score: 0 Accepted Answers: 1 point Which of the following transport layer protocols is used to support electronic mail (Email)? a. SNMP b. IP c. TCP d. UDP □ a. □ b. □ c. d. No, the answer is incorrect. Accepted Answers: Match the following two list: 1 point List - I List - II (a) Disk (i) Thread (b) CPU Signal (c) Memory File System (iii) (d) Interrupt Virtual Address (iv) a. (a)->(i), (b)->(ii), (c)->(iii), (d)->(iv) b. (a)->(iii), (b)->(i), (c)->(iv), (d)->(ii) c. (a)->(ii), (b)->(i), (c)->(iv), (d)->(iii)

d. (a)->(ii), (b)->(iv), (c)->(iii), (d)->(i) □ a. □ b. □ c. □ d. No, the answer is incorrect. Score: 0 Accepted Answers: Packets of the same session may be routed through different paths in a. TCP, but not UDP b. TCP and UDP c. UDP, but not TCP

d. Neither TCP nor UDP a. □ b. □ c. using a class B network address? a. 255.255.255.252 b. 255.255.255.128 c. 255.255.255.0 d. 255.255.254.0

□ d. No, the answer is incorrect. Score: 0 Accepted Answers: 1 point There is a need of 500 subnets and each subnet has 100 usable host. What network will assign □ a. □ b. □ c. □ d. No, the answer is incorrect. Score: 0 Accepted Answers: 1 point A Link layer protocol is designed with 1 Gbps (109 bits/second) Bandwidth over a fiber link length of 800 km Assume that the speed of light in this medium is 200000 km/ second. What is the propagation delay in the link? a. 1 millisecond b. 2 milliseconds c. 3 milliseconds d. 4 milliseconds □ a. □ b. _ c. □ d. No, the answer is incorrect. Accepted Answers: 1 point In a network of LANs connected by bridges, packets are sent from one LAN to another through intermediate bridges. Since more than one path may exist between two LANs, packets may have to be routed through multiple bridges. Why is the spanning tree algorithm used for bridgerouting? a. For shortest path routing between LANs b. For avoiding loops in the routing paths c. For fault tolerance d. For minimizing collisions □ a. □ b. _ c. □ d. No, the answer is incorrect. Score: 0 Accepted Answers: An Internet Service Provider (ISP) has the following chunk of CIDR-based IP addresses available 1 point with it:245.248.128.0/20. The ISP wants to give half of this chunk of addresses to Organization A, and a quarter to Organization B, while retaining the remaining with itself. Which of the following is a valid allocation of addresses to A and B? a. 245.248.136.0/21 and 245.248.128.0/22 b. 245.248.128.0/21 and 245.248.128.0/22 c. 245.248.132.0/22 and 245.248.132.0/21 d. 245.248.136.0/22 and 245.248.132.0/21 □ a. □ b. □ c. □ d. No, the answer is incorrect. Accepted Answers: