AD-HOC CIE 1 QUESTION BANK

1. Differentiate cellular and Adhoc networks
2. Explain any issues of Adhoc wireless networks in detail.
3. Construct and explain the infrastructure of cellular and Adhoc wireless networks.
4. Demonstrate applications of Adhoc wireless networks
5. What is hidden and exposed terminal problems in routing protocol
6. Explain the design goals of MAC protocol for Adhoc wireless protocol
7. Explain DPRMA protocol.
8. Explain CATA protocol.
9. Summarize HRMA protocol
10. Explain self organization and security issues in detail.
11. Discuss adhoc wireless internet with schematic diagram.
12. Why mobility of the nodes effects the routing protocols in wireless adhoc networks.
13. Illustrate SRMA protocol.
14. Define collaborative and distributed computing.
15. Explain security issues in adhoc network detail.
16. Why power management important in wireless sensor networks?
17. Explain the major challenges that are faced in routing protocols.
18. Explain briefly issues related to pricing scheme ,addressing and scalability in adhoc wireless networks
19. Why mobility of the nodes effects the routing protocols in wireless adhoc networks.
20. Explain the design goals of Medium Access Control protocol for adhoc wireless protocol

AD-HOC CIE 2 QUESTION BANK

1. Explain the impact of Bandwidth constraints in routing protocol and various problems raised due to its constraint.
2. Organize Real Time Medium Access Control protocol for transmitting data in point to point adhoc wireless networks in detail.
3. Develop MACA with piggy Backed reservation in Asynchronous Protocol to provide real time traffic support in multihop wireless networks.
4. Adhoc networks are infrastructure less and if its nodes are in moving state then explain how does it affect routing protocol.
5. Identify the issues in designing routing protocol for adhoc networks.
6. Explain how hidden and exposed terminals affect the routing adhocnetworks.
7. Construct Wireless Routing protocol that introduces mechanism which reduces root loops and ensure reliable message transfer with an example.
8. Build an Overview on AODV protocol that builds routes between nodes only as desired by source node with an example.
9. Explain the scenario based broadcast scheduling on benefits related to Five Phase Routing Protocol.
10. Construct any one asynchronous protocol using real-time traffic support with an example.
11. Develop the schematic diagram of packet transmission in MACA with piggy Backed reservation in asynchronous protocol.
12. Describe the situation how error prone shared broadcast radio channel effects in routing protocol.
13. Identify the problems faced in designing routing protocol for adhoc wireless networks.
14. Explain the proactive and reactive concept in update mechanism of routing protocols briefly.
15. Organize and execute the path-finding On-Demand routing protocol with any one example
16. Build an Overview on internal and peripheral nodes of zone routing protocol in hybrid protocol
17. Construct a schematic representation of Real Time Medium Access control protocol used for transmitting best effort packets in detail.
18. Explain the use of temporal information for routing in classification of routing protocol.
19. Develop an overview of core extraction distributed adhoc routing protocol with an example.
20. Explain the utilization of specific resources in classification of routing protocols.
21. Identify dynamic source routing protocol specifying the real-time path travelled through each node.
22. Build routing table on wireless routing protocol with successor and predecessor for route maintenance.
23. SOLVE PROBLEMS ON DSDV & WRP

AD-HOC CIE 3 QUESTION BANK

1. Explain how completely decoupled transport layer is a issue in designing a transport layer protocol for adhoc wireless networks.
2. Adhoc wireless networks are with limited resource availability. List its challenges in security provisioning.
3. Explain asymmetric algorithms which use different keys at the sender and receiver.
4. Illustrate authenticated routing for adhoc networks which takes care of authentication, message integrity, and non repudiation.
5. Identify issues in designing a transport layer protocol for adhoc wireless networks for setting end to end connections.
6. Illustrate application controlled transport protocol improves the performance of adhoc networks in different layers.
7. Shared broadcast radio channel used for communication effects security in adhoc networks. Define.
8. Symmetric key algorithms rely on the presence of shared key .Explain substitution and transposition.
9. Demonstrate security aware adhoc on demand distance vector routing protocol used for redirecting packets.
10. Why Multilayer attacks occur in any layer of the protocol stack? Explain.
11. Illustrate how Adhoc wireless networks pose certain specific challenges in the key management due to the lack of infrastructure.
12. Demonstrate the level of trust metrics in security aware adhoc routing protocols which is the key metrics in path finding.
13. Explain how induced traffic is a issue in designing a transport layer protocol for adhoc wireless networks.
14. Illustrate the reason why TCP does not perform well in adhoc wireless networks behind throughput degradation.
15. Demonstrate how Feedback based TCP-F improves the performance of TCP using feedback approach.