

JK Lakshmipat University, Jaipur
Institute of Engineering and Technology
End Term Examination
B.Tech. CSE 3rd Year / 5th Sem. (2013-14)



Course Name: Computer Networks
Course Code: CSE-503

Max. Marks: 40
Time: 3 hour

Section 1

5* 2marks =10 marks

- | | |
|---|--|
| Q1. What is the difference between port address, logical address, and physical address? | Q3. What is auto negotiation? Where and why it is used? |
| Q2. Compare and contrast a circuit switched network and a packet switched network. | Q4. What are advantages of dividing an Ethernet LAN with a bridge? |
| | Q5. How is a repeater different from an amplifier? |

Section 2

(Attempt any FIVE)

5* 4marks = 20 marks

- Q6. Explain hidden station and exposed station problem with diagram.
- Q7. What is a VLAN? How does a VLAN reduces network traffic?
- Q8. What is NAT? How it can help in reducing address depletion?
- Q9. Explain the difference between tunneling and dual stack strategy in detail?
- Q10. Give advantages of IPv6 over IPv4.
- Q11. Why do we need a DNS system when we can directly use an IP address? What is an FQDN? What is a PQDN?
- Q12. Explain the functions of network management system.

Section 3

2* 5marks = 10 marks

- Q 13. Give the working of Weighted Fair Queuing Technique in detail with diagram.
- Q 14. How is resource reservation protocol related to Integrated Services?