

ANNA UNIVERSITY SEMESTER EXAMINATION - MAY / JUNE 2014

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
MODEL QUESTION PAPER - 2

CS2363 - COMPUTER NETWORKS

Year/Semester & Branch: III year /VI Semester & B.E. EEE

Faculty Name: T.Selvakumar

Date:

Max. Marks: 100

Time: 3 hrs

PART-A Answer ALL Questions (10x2=20 Marks)

1. How MSAL bypass the circuit in token ring station? Give one Token Ring Diagram with MSAL.
2. Write the layers in OSI reference model and TCP Model.
3. Draw IPv4 header format.
4. Define Distance vector routing.
5. How the Congestion windows incremented in AIMD - TCP Congestion control method?
6. Write the functions of Transport Layer.
7. Give the Strengths and Weaknesses of Firewalls.
8. Give neat sketch the JPEG image compression mechanism
9. How the domain names translated into addresses? Give neat structure of this process.
10. What are the roles in Web services using WSDL and SOAP?

PART-B Answer ALL Questions (5x16=80 Marks)

11. (a)
 - (i) Explain briefly about IEEE 802.5 Token Rings and Token ring maintenance & FDDI. (14)
 - (ii) State the difference between TCP and UDP protocols. (2)

OR
11. (b) Explain the different approaches of framing and encoding in detail. (16)
12. (a) Compare Address Resolution Protocol(ARP) and RARP. (16)

OR

12. (b) Write short notes on the following routing:
 - (i) Distance vector routing. (8)
 - (ii) Link state - Reliable Flooding. (8)
13. (a) Discuss various categories of congestion control, and Briefly explain any two TCP Congestion Control Mechanism. (16)

OR

13. (b)
 - (i) Explain the User Datagram protocol in detail. (8)
 - (ii) Explain TCP-Flow Control with Sliding window revisited technique. (8)
14. (a)
 - (i) Explain in detail about Diffie-Hellmann Algorithm. (8)
 - (ii) Give short notes on SSH secure system and explain SSH Version-2 Protocol. (8)

OR

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