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**JAYA GROUP OF INSTITUTIONS -Thiruninravur**

**4<sup>th</sup> SEM- B.E**

**INTERNAL ASSESSMENT (MODEL EXAMINATION-III)**

**Sub Name : COMPUTER NETWORK**

**Date : 12-04-2015**

**Sub Code : CS 6551**

**Branch : CSE**

**Duration : 180 Minutes**

**Max Marks : 100**

**PART- A (10\*2=20) Answer all the Questions**

1. What do you meant by error control?
2. Define Bit stuffing.
3. Define a standard IEEE802.3
4. Define ARP.
5. What is multicasting?
6. What is the purpose of subnetting?
7. What is the use of sequence numbers?
8. Define Congestion Control.
9. Compare the HTTP and FTP.
10. What is DNS&SNMP?

**PART-B (5\*16=80) Answer the Questions As per the choice**

11. (a) With a neat diagram explain in detail about the Network architecture. (16)  

OR

 (b) Explain the error detecting / correcting mechanisms in detail. (16)
12. (a) Explain about Ethernet (IEEE802.3) in detail. (16)  

OR

 (b). Explain about Internet Protocol. (16)
13. (a) (i) Explain OSPF in detail. (8)  
 (ii) Differentiate ARP and RARP. (8)  

OR

 (b) (i) What is Internet multicasting? Explain it in detail. (8)  
 (ii) Show the IPV6 header details and explain them. (8)
14. (a) Explain TCP header and UDP header in detail. (16)  

OR

 (b) How is congestion controlled? Explain in detail about the TCP congestion control. (16)
15. (a) What is Email? Explain Email working principle in detail. (16)  

OR

 (b) Explain Domain Naming System in detail. (16)