



JAYA GROUP OF INSTITUTIONS-THIRUNINRAVUR

6TH SEM/ – B.E. / B.Tech

INTERNAL ASSESSMENT-1 (MODEL EXAMINATION-1)

Sub. Name : **COMPUTER NETWORKS**

Sub. Code : **EC2352**

Duration : **180 minutes**

Date : **31.01.2015**

Branch : **ECE**

Max. Marks : **100**

Part A - (10 x 2 = 20) Answer all the Questions:

1. Define RJ45 and RG59.
2. What are Headers and Trailers?.
3. List down the 3 phases in Circuit Switching.
4. Define Datagram.
5. List out the applications of Unguided Transmission Media.
6. Define Framing and reason out why we need it.
7. Define Piggybacking.
8. What is transparent Bridge?.
9. Define VLAN.
10. Define Controlled Access and list three protocols used in this category.

Part B - (5 x 16 = 80) Answer the Questions As per the Choice:

11. (a) Discuss about the ISO/OSI Model in detail. (16)

(OR)

11. (b) Define Switching. List out the various switching networks and discuss in details. (16)

12. (a) Discuss in detail about the Transmission Media in detail. (16)

(OR)

12. (b) i) What is CATV?. Explain the functionality of CATV. (10)

- ii) Define Addressing. What are the various addressing modes available?. (6)

13. (a) i) Compare OSI Model with TCP/IP Protocol Suite. (8)

- ii) Discuss about DSL. (8)

(OR)

- 13.(b) Discuss about the architecture of Frame Relay in detail. (16)

- 14.(a) Define HDLC and discuss about the various Frame formats in detail. (16)

(OR)

14. (b) What is Ethernet?. Discuss the various Ethernet standards. (16)

- 15.(a) Discuss any two protocols in detail developed for data transmission in a noisy Channel. (16)

(OR)

15. (b) What is Multiple Access Protocol?. List the protocols developed for Random Access method and discuss about ALOHA. (16)