Kolhan university, Chaibasa

Year: - 2012 I.T<u>. (5a)</u>

(Based on remember) Answer any five Questions.

- 1) Write short notes on the following:
 - (a)Router
 - (b) Digital Signature
- 2)Differentiate between the following:
 - (a) Optical fiber and copper wire
 - (b) Serial and parallel transmission
- 3)(a) What is MAN? How does it differ ROM LANs and WANs?
 - (b) Compare tree topology with star topology.
- 4)(a)What do you understand by Asynchronous and Synchronous transmission? Explain with suitable example
- (b) Explain then need of multiplexing in data communication
- 5) Explain various data encoding schemes.
- 6)(a)What are the services provided by data link layer to Network layer? Iiiustrate them.
 - (b)Compare HTML and XML.
- 7) Write short notes on:
 - (a) Document Type Definition
 - (b) URL