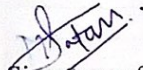


Vidyalankar School of Information Technology
 SYBSc IT Semester III
 Subject: *Computer Networks*
 Faculty Members: Mithila C., Snehal T., Rajendra P.

Remedial Questions



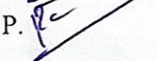
Unit – I	
1	What is the relationship between period and frequency?
2	Explain Frequency Modulation
3	List the various line coding techniques and explain Polar scheme in detail.
4	Define carrier signal and explain its role in analog transmission.
5	List and explain the functions of Data Link Layer.
6	Identify and explain five components of data communication system.
7	Name and explain three types of transmission impairments.
8	What are the differences between parallel and serial transmission?
Unit – II	
1	Explain Time Division Multiplexing Technique.
2	What is the difference between Omnidirectional waves and Unidirectional waves?
3	Explain Circuit switched network.
4	What is the function of the twisting in twisted-pair cable?
5	Write a short note on Wavelength Division Multiplexing.
6	What is Spread Spectrum? Explain Frequency Hopping Spread Spectrum.
7	Define Error and its different types.
8	Explain parity check Mechanism. Find Even parity for the given data: - a) 01011011 b) 01110010 c) 11110101
Unit – III	
1	List and explain the services of Data Link Control.
2	With transition diagram explain Point to Point Protocol.
3	Define channelization and explain Code Division Multiple Access.
4	Write short note on Bluetooth.
5	With the help of an example explain the concept of Polling.
6	Explain in detail High-Level Data Link Control protocol.
7	Distinguish between LEO and GEO
8	Write a short note on Token passing.
Unit – IV	
1	Write a note on Fragmentation with example.
2	Write a note on Unicast Routing.
3	Find the class of the following classful IP addresses: a. 130.34.54.12 b. 200.34.2.1 c. 245.34.2.8 d. 2.89.89.8 e. 172.168.10.12
4	Explain Network layer services.
5	Write a short note on Packet Switching.
6	Draw the structure of Internet Protocol Version 4 Header and explain its various fields

7	What is OSPF? Explain the working of OSPF.
8	Explain transition from IPv4 to IPv6
Unit – V	
1	Explain Domain Name System.
2	Explain the functions of Transport layer.
3	Explain the various application of Secure Shell.
4	List and explain the various functions of Application Layer.
5	Write a note on Secured Shell.
6	Explain Simple Mail Transfer Protocol.
7	Differentiate between connectionless and connection-oriented network.
8	Explain the working and applications of UDP.



Signature of Faculty Members

Name:

- 1) Mithila C. 
- 2) Snehal T. 
- 3) Rajendra P. 



Signature of In-Charge

Name: Pushpa M.

Name of Cluster: Networking & Systems