Communication Engineering

Set- A (1)

- O Identify and explain the components of a complete data communication system?
- DENplain the characteristics that the effectiveness of a data communication system depends on?
- 3 What is meant by data communication?
- @ Difference between digital and analog signal?
- 5 Explain a simplified data communication model?
- @ Define bandwitdth and spectnum of a signal?
- (3) What do u mean by simplex, half-duplex and full duplex?

2 no question:

- O Disse Disews different teeniques for analog encoding of digital data?
- @ What is throughput?
- 3) How the latency of a link is measured?

- 1 Define baseline wandering and its effect on a digital communication?
- 1 Why senambling teenique is used?
- @ Detine periodie signal and trequency
- spectrum? D What do u mean by attenuation?
- 18 What is the difference between serial and parallel transmission?
- 1 What are bit mate and bit interval? What are their counter parts in analog signal?
- 10 Detine phase and periodic signal?
- 1 What do n mean by bandwidth of analog and digital signal? How do they differ?
- 12) What is De component? Why is this underinable?
- 3 What is the major problem in using NRZ-OD coencoding?

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1 Define block coding and its purpose?

- DEnplain modulation teenique ton Delta Modulation?
- 3) Advantage and disadvantage of parallel communication?
- 1 Define! Dem, pFM and PTM.
- 1 Explain Pulse code modulation process with block diagram?
- @ Describe the 9-PSK method with constellation diagram?
- 3 What is modulation? Pumpose of carrier signal in modulation?
- (8) What is differential PCM? Why DM is used in voice transmission?

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- O Difference between synchronus and Statistical tam?
- @ What is multiplexing?
- 3 Desertibe the process eyelie redundancy
- @ cheat?
- @ Emplain the Frequery Division Multiplexing?
- D What is the purpose of earrier signal in modulation?
- @ HOW RAM were related to PSK and ASK.
- Thow does FDM combined multiple signal into one?
- @ Enplain PSK and aAm in details.

Set-7

- Ownite short notes on twisted paire cable?
- B Advantage of optical fiber over twisted pain and coaxial cable?
- 3 What is the purpose of eladding in an optical fiber? State some application of optical fiber?
- DWhat is microwave? Mention some of its Characteristics and application.
- B Which signal are called intrarred?
 How does sky propagation differ trom
 line of sight propagation?
- ** Explain How data is transmitted through an optical fiver?

- DWhat do u mean by VSAT? How does it work a explain
- 3 What do u mean by active and passive satellite?
- 3) state some application ton each type of satelliter?
- 9 What is orbit of a satellite? which type of orbit does a CREO Satellite have? verity your answer.
- 1 What is the purpose of Caps? Explain the triangulation principle that is used by Caps.
- @ What is satellite communication?
- Describe GEO satellite?
- 3 characteristics of VSAT?
- 9 what is Geostationary sattellite? Find out its orbital height.) Explain different method that are used