**DATA COMMUNICATIONS**

**UNIT-1** (ASSIGNMENT QUESTIONS)

**SET-1**

(1) Discuss the detail about the simplified data communication model. Simplified network model and compare?

(2)Protocol architecture of TCP/IP and OSI models with all the functionality of layer involved compare?

(3)Mention important characteristics of protocols and explain means of connections of communication systems?

(4)Why does TCP Header length field while the UDP header does not?

1. Why is UDP needed? Why can't a user program directly access IP?

**SET-2**

1. List the major disadvantages with the layered approach to protocols?

(7)What are the functions of data link layer &write advantages of layered approach? (8)Explain about Transmission Impairments &write features of protocols?

(9)Explain guided transmission media and unguided media in detail with applications?

1. Define IP protocol? Explain in detail about TCP header with neat diagram?

**SET-3**

1. Write short notes on (i) HTTP (ii) WWW (iii) DNS

(12)Explain IPV4 and IPV6 header formats & write significance of each field?

(13)Most widely used protocol architecture is TCP/IP protocol suite why? Explain briefly? (14) What is difference between periodic and aperiodic? Explain examples of periodic signals? (15)Explain Analog and Digital Transmission how we treat the signals?