

**UDHNA CITIZEN COMMERCE COLLEGE &
SPB COLLEGE OF BUSINESS ADMINISTRATION &
SMT. DIWALIBEN HARIBHAI GONDALIA COLLEGE OF BCA & IT
Class : B.Sc. (I.T.) (Sem - 3)
Academic Year: 2026-27
SUBJECT: Computer Network (306)**

HOME ASSIGNMENT

Assignment – 1

1. Explain Data Communications components and the direction of data flow.
2. Discuss the networking concepts, need, uses, and advantages of a network.
3. Explain different categories of networks, client-server, peer-to-peer, and hybrid networks along with network topologies.

Assignment – 2

1. Explain the OSI Model and TCP/IP Model layers and their functions.
2. Discuss digital transmission, analog transmission, bandwidth, and various transmission media.
3. Explain the functions of the Data Link layer, error detection/correction codes, and multiple access protocols like CSMA/CD.

Note:

Assignment must be self-handwritten with blue ink ball pen only.
Student must upload assignment using Udhna College Application.
Assignment submission date will be declared later on.


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