# DATA COMMUNICATION & COMPUTER NETWORKS

Time : 2:30 Hours]                                                                     [Maximum Marks : 50

NOTES :

i)    Attempt **all** questions.

ii)   Students are advised to specially check the Numerical Data of question paper in both versions. If there is any difference in Hindi Translation of any question, the students should answer the question according to the English version.

iii)  Use of Pager and Mobile Phone by the students is not allowed.

Q1)   Answer any two of the following questions.                                      [2 × 5 = 10]

a)    Explain TCP/IP model in detail.

b)    What do you mean by multiplexings its operations.

c)    Explain TDM and FDM in detail.

Q2)   Answer any two of the following.                                                [2 × 5 = 10]

a)    Explain simplified data communication model

b)    What are TCP and UDP. Explain it.

c)    Differentiate unicasting, multicasting and broadcasting.

Q3)   Answer any two of the following.                                                [2 × 5 = 10]

a)    Explain OSI model.

b)    What is IP address. Explain in detail.

c)    Explain Network Topologies.

Q4)   Answer any two of the following.                                                [2 × 5 = 10]

a)    Explain WDM, CDMA in detail.

b)    Explain AM, FM, PM in detail.

c)    Comparison between Repeater and Amplifier.

Q5)   Write short note on any two of the following.                                   [2 × 5 = 10]

a)    DHCP Server

b)    DNS

c)    FDDI