Bachelor of Science (B.Sc. I.T.) Semester—IV (C.B.S.) Examination
DATA COMMUNICATION AND NETWORK—II
Paper—III

Time : Three Hours]   [Maximum Marks : 50

Note :— (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagrams wherever necessary.

EITHER

1. (A) Explain the most common applications of TCP/IP.   5

   (B) Explain connection oriented Internet working.   5

   OR

   (C) Explain architecture of OSI Reference Model.   5

   (D) Explain the protocols to follow at Router-level.   5

   EITHER

2. (A) Explain the protocol principles for the transport services.   5

   (B) Explain TCP header format in detail with a neat diagram.   5

   OR

   (C) What are the network services in transport protocol ?   5

   (D) Explain light weight transport protocol in detail.   5

   EITHER

3. (A) Explain different types of services offered by session layer.   5

   (B) Write a note on Domain Name System.   5

   OR

   (C) Write a note on OSI session services.   5

   (D) Explain use of HTTP in communication system.   5

   EITHER

4. (A) Explain the working structure of ISDN.   5

   (B) List and summarize the four reference points in ISDN.   5

   OR

   (C) Explain transmission structure of ISDN.   5

   (D) Write a note on B-ISDN.   5

5. Attempt *all* :

   (A) Write a note on Gateways.   2½

   (B) Explain TCP Services.   2½

   (C) Explain session characteristics in brief.   2½

   (D) Write a note on B-channel.   2½

NXO—20094