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

Time : Three Hours]   [Maximum Marks : 50

N.B. :— (1) All questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagram wherever necessary.

EITHER

1. (A) Explain with the help of suitable diagram working of each layer of OSI model.   5

(B) Define Internetworking. Explain principle of internetworking.   5

OR

(C) Explain the System Network Architecture.   5

(D) Write notes on :

(i)   Routers

(ii) Repeaters.   5

EITHER

2. (A) Write short note on transport services.   5

(B) Explain ISO transport standards.   5

OR

(C) Explain Protocol mechanism. Write difference between TCP and UDP.   5

(D) Elaborate network services in detail.   5

EITHER

3. (A) Discuss the following :

(i)   FTP

(ii) HTTP.   5

(B) Explain OSI session services.   5

OR

(C) What is DNS? Explain it with suitable example.   5

(D) Explain Session services and protocol in detail.   5

EITHER

4. (A) Explain the concept of ISDN and explain its Architecture with suitable diagram.   5

(B) Explain concept of user access in detail.   5

OR

(C) What is ISDN Protocol? Give its features.   5

(D) Explain Transmission structure.   5

5. Attempt **all** :

(A) Explain Router level Protocol.   2½

(B) What do you mean by light weight transport protocol?   2½

(C) Explain OSI session Protocol.   2½

(D) What is broadband ISDN?   2½