Y—459—2019

FACULTY OF SCIENCE

B.Sc. (Third Year) (Sixth Semester) (Backlog) EXAMINATION

NOVEMBER/DECEMBER, 2019

(CGPA Pattern)

COMPUTER SCIENCE

Paper XV

(Computer Network)

(Thursday, 12-12-2019)   **Time : 10.00 a.m. to 12.00 noon**

Time— Two Hours   *Maximum Marks*—40

N.B. :— (*i*) *All* questions are compulsory.

    (*ii*) *All* questions carry equal marks.

    (*iii*) Figures to the right indicate full marks.

1. Attempt any *four* of the following :   8

   (*a*) Describe ethernet.

   (*b*) Explain the concept of switching.

   (*c*) What is protocol ? Explain the purpose of FTP.

   (*d*) Explain twistep pair cable .

   (*e*) Explain WWW.

   (*f*) Explain web server.

2. Solve any *two* of the following :   8

   (*a*) Explain E-Mail in detail.

   (*b*) What is fiber optics ? Explain.

   (*c*) Explain Internet routing.

3. Solve any *two* of the following :   8

   (*a*) Explain UDP protocol in detail.

   (*b*) Explain Network topologies.

   (*c*) Explain types of Networks.

P.T.O.

4. Solve any *one* of the following : 8

   (*a*)   What is ISDN ? explain its architecture.

   (*b*)   Explain security and privacy in detail

   (*c*)   Explain OSI reference model.

5. Write short notes on any *two* of the following : 8

   (*a*)   CO-axial cable

   (*b*)   Router

   (*c*)   SNMP

   (*d*)   ISP.