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R—347—2017

FACULTY OF SCIENCE

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

MAY/JUNE, 2017

COMPUTER SCIENCE

Paper XV

(Computer Network)

(Wednesday, 3-5-2017)   **Time : 10.00 a.m. to 12.00 noon**

Time—2 Hours   *Maximum Marks—40*

N.B. :— (i)   Attempt *All* questions.

     (ii)   Assume suitable data, if necessary.

     (iii)   Draw well-labelled diagrams, wherever necessary.

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

  (a)   Define LAN.

  (b)   What is internet.

  (c)   Define broadband.

  (d)   What is topology.

  (e)   Define DNS.

  (f)   What is web server.

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

  (a)   Explain the cellular radio network.

  (b)   Explain ethernet concept

  (c)   Explain e-mail system.

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

  (a)   Explain OFC in detail.

  (b)   Explain telephone network system.

         P.T.O.

       (*c*)   What is network topologies ? Explain :

             (*i*)   Bus

             (*ii*)   Ring.

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

       (*a*)   Explain domain name system.

       (*b*)   Draw and explain TCP/IP reference model in detail.

5.   Write short notes on any *two* :   8

       (*a*)   Bluetooth

       (*b*)   Client server technology

       (*c*)   ISP

       (*d*)   Twisted pair cable.