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**V—344—2017**

**FACULTY OF SCIENCE**

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

**NOVEMBER/DECEMBER, 2017**

**COMPUTER SCIENCE**

**Paper XV**

**(Computer Network)**

**(Tuesday, 12-12-2017)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—Two Hours*

*Maximum Marks—40*

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

*(ii) Assume suitable data, if necessary.*

*(iii) Draw well labelled diagram, if necessary.*

1. Attempt any *four* of the following : 8
  - (a) Define Computer Network.
  - (b) What is Internet ?
  - (c) Define WWW.
  - (d) What is Web server ?
  - (e) What is Topology ?
  - (f) Define LAN.
2. Solve any *two* of the following : 8
  - (a) What is protocol ? Explain the purpose of FTP.
  - (b) Explain Fiber optics cable in detail.
  - (c) Explain e-mail system.
3. Solve any *two* of the following : 8
  - (a) Explain types of networks
  - (b) Explain ethernet concept in detail.
  - (c) Explain UDP protocol.

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4. Solve any *one* of the following :

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- (a) Explain in detail ISO-OSI reference model.
- (b) Explain domain name system.

5. Write short notes on any *two* :

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- (a) Script
- (b) TCP/IP
- (c) Router
- (d) ISP.

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