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**W—400—2018**

**FACULTY OF SCIENCE**

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

**NOVEMBER/DECEMBER, 2018**

**COMPUTER SCIENCE**

**Paper XV(A)**

**(Computer Network)**

**(Friday, 7-12-2018)**

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

*Time—2 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. Solve any *four* : 8
  - (i) Explain LAN, interconnection.*
  - (ii) Describe Ethernet.*
  - (iii) What is UDP ?*
  - (iv) Explain SNMP.*
  - (v) Explain WWW.*
  - (vi) Explain Web Servers.*
2. Solve any *two* : 8
  - (i) What is computer networking ? Explain its goals.*
  - (ii) Explain TCP/IP reference model.*
  - (iii) Explain Internet routing.*

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3. Solve any *two* : 8
- (i) Explain e-mail and its functions.
  - (ii) Explain IP addresses.
  - (iii) Explain Satellite television networks.
4. Attempt any *one* of the following : 8
- (i) What is ISDN ? Explain its architecture and services.
  - (ii) Explain security and privacy in detail.
5. Write short notes on (any *two*) : 8
- (i) Twisted pair cables
  - (ii) Telephone Networks
  - (iii) Frame relay
  - (iv) HTML & XML.