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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.