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BR—88—2016

FACULTY OF COMPUTER STUDIES

M.Sc. (First Year) (Second Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(CBCS Pattern)

COMPUTER SCIENCE

Paper CS-201

(Advanced Networking Concepts)

(Thursday, 17-11-2016)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—75

N.B. :— (i) Attempt All questions.

(ii) Assume suitable data, if necessary.

1. Attempt any *three* of the following : 15
 - (a) Explain the concept of interface.
 - (b) What are the different topologies used in Computer Network ?
 - (c) What is exterior routing ?
 - (d) Explain the concept of buffering.
 - (e) Discuss “frame format”.
2. Answer any *three* of the following : 15
 - (a) Explain the process to process communication.
 - (b) What is remote procedure call ?
 - (c) Explain the use of virtual private network.
 - (d) What do you mean by congestion control ?
3. Attempt any *three* of the following : 15
 - (a) Explain connection oriented service.
 - (b) Explain the use of Telnet.
 - (c) What is Network Address Translation ?
 - (d) Explain the concept of digital signature.

P.T.O.

4. Answer any *three* of the following :

15

- (a) Explain the concept of OSPF.
- (b) What is byte ordering ?
- (c) Explain how java is useful for internet technology.
- (d) Explain symmetric key algorithm.

5. Write short notes on the following (any *three*) :

15

- (a) FTP
- (b) Network Interface Card
- (c) Rlogin
- (d) Client Server Model
- (e) WWW.