

This question paper contains 2 printed pages]

BV—13—2016

FACULTY OF COMPUTER STUDIES

M.Sc. (SAN) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(CBCS Pattern)

SYSTEM ADMINISTRATION AND NETWORKING

Paper (SAN-202)

(Computer Network)

(Monday, 21-11-2016)

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

Time—3 Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Assume suitable data if necessary.

1. Attempt any *three* of the following : 15
 - (a) Wireless network
 - (b) Discuss network interface card
 - (c) PBX
 - (d) Message switching
 - (e) Hub/switch.
2. Answer the following (any *three*) : 15
 - (a) Explain use of computer network.
 - (b) Explain twisted pair cable.
 - (c) Explain network topology in detail.
 - (d) Explain protocol hierarchy in detail.
3. Solve the following (any *three*) : 15
 - (a) Explain TDM Vs FDM.
 - (b) Explain OSI Reference model in detail.
 - (c) Explain IP addressing in detail.
 - (d) Explain E-mail.

P.T.O.

4. Answer the following (any *three*) : 15
- (a) Explain TCP/IP reference model in detail.
 - (b) Explain SMTP and FTP protocol in detail.
 - (c) Discuss FDDI.
 - (d) Explain ethernet standard.
5. Write short notes (any *three*) : 15
- (a) LAN
 - (b) Search engine
 - (c) URL
 - (d) Packet switching
 - (e) DNS.