

Total No. of Questions : 8]

SEAT No. :

P4319

[Total No. of Pages : 2

[4860]-1274

**M.E. (E & TC) (Communication Networks)
TRAFFIC ANALYSIS AND QOS
(2013 Credit Pattern) (Semester - II) (504507)**

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) Answer any five questions.*
- 2) Neat diagrams must be drawn wherever necessary.*
- 3) Use of Calculator is allowed.*
- 4) Assume suitable data if necessary.*

- Q1)** a) Explain communication model in detail with neat diagram? [4]
b) Define & Explain network management system with neat diagram? [4]
c) What are the network management standards? [2]
- Q2)** a) Explain Conceptual Model for telecommunication network? [4]
b) Explain Optical and MAN feeder networks? [4]
c) Prepare a chart for functional roll of management tools? [2]
- Q3)** a) Write the short note on MPLS traffic Engineering? [4]
b) What is the SDH management? Also explain Broadband Network Management? [4]
c) Define & Explain TMN? [2]

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- Q4)** a) Explain communicational model? [4]
b) Explain network statistics? [4]
c) Explain Network management system design? [2]
- Q5)** a) Explain Telecommunication management network in terms of conceptual model & Standards. [4]
b) Explain High speed LAN performance, modeling & its estimation? [4]
c) What is the requirement of Fiber channel? [2]
- Q6)** a) Explain Integrated services? [4]
b) What are the policies used for TCP implementation? [4]
c) Explain protocols for Qos support? [2]
- Q7)** a) Define congestion & Explain mechanism for congestion control? [4]
b) Explain Link level flow and error control? [4]
c) Explain cell Delay variation? [2]
- Q8)** a) Explain MPLS operation & OAM management? [4]
b) Explain TCP flow and congestion control? [4]
c) Explain QoS parameters define by ATM forum? [2]

