St. Thomas’ College of Engineering & Technology

B.Tech. 6th Semester, 2nd Assignment, 2018

**Computer Networks [CS-602]**

Use diagrams as required and answer the following questions:

1) **Explain** the concept of Message Transfer Agent. **Discuss** the architecture of email systems. **Outline** the specifics of the SMTP. [Inline with CO4]

2) **Explain** the different components of SNMP and giving suitable reasons **agree or disagree** if SMI and MIB are both required for smooth functioning of SNMP. [Inline with CO4]

3) **Discuss** the ADSL communication technology for high speed digital communication. **Explain** the Cable Modem architecture and operation. [Inline with CO2]

4) **Define** and **explain** the concepts of cryptography, cryptanalysis, ciphertext and plaintext. C**lassify** cryptographic methods mentioning the basis of such classification and provide examples of different types thus classified. [Inline with CO4]

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