

Roll No .....

**EC-7004 (1) (CBGS)**

**B.E. VII Semester**

Examination, November 2019

**Choice Based Grading System (CBGS)**

**Data Communication**

*Time : Three Hours*

*Maximum Marks : 70*

- Note:** i) Attempt any five questions.  
 ii) All questions carry equal marks.  
 iii) Assume suitable data wherever necessary.

- 1. a) Differentiate between message switching and packet switching. 7
- b) Explain OSI reference model. 7
- 2. a) Explain ISDN. 7
- b) Describe Modem with neat diagram. 7
- 3. a) Explain stop and wait protocol. 7
- b) Explain CSMA/CD protocol (MAC). 7
- 4. a) List four functions of Network Layer. 7
- b) Explain Datagram and Virtual circuit. 7
- 5. a) Explain TCP. 7
- b) Explain session and transport layer interaction. 7

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- 6. a) Explain Encryption and Decryption. 7
- b) Explain FTP and RPC. 7
- 7. a) Explain DNS and SMTP. 7
- b) Explain Data Unit. 7
- 8. Write short notes on any two: 14
- i) ATM Model
- ii) ALOHA
- iii) TSAP

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