

B.Sc. (Part-III) (CBCS Pattern) Sem-VI
USCST11.2 - Elective Paper-II : Computer Science-II :
Data Communication with Cloud Computing Basics

P. Pages : 1

Time : Three Hours



GUG/W/22/13346

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram wherever necessary.

Either

1. a) Explain in brief various transmission impairment. 5
b) Explain half duplex transmission mode in detail. 5

OR

- c) Write in brief asynchronous transmission. 5
d) Write a short notes on- 5
i) Flow control ii) Error control

Either

2. a) Explain in brief packet switching. 5
b) Explain bus network topology in detail. 5

OR

- c) Describe digital network concept. 5
d) Differentiate between LAN and WAN. 5

Either

3. a) Explain the function of application layer. 5
b) Explain in detail connectionless internetworking. 5

OR

- c) Explain the concept of bridge in internetworking. 5
d) Explain important characteristics of protocol. 5

Either

4. a) Explain SaaS model in detail. 5
b) Explain in detail various types of virtualization. 5

OR

- c) Differentiate between public and private cloud. 5
d) Explain the regularity issue's related to cloud computing. 5

5. Attempt all questions.

- a) What is data communication? 2½
b) What are the types of network topology? 2½
c) Write functions of network layer. 2½
d) Write short note on LaaS. 2½
