

B.C.A.- II (CBCS Pattern) Semester-III
UBCAT302 - Paper-II - Computer Networks & Cloud Computing

P. Pages : 1

Time : Three Hours



GUG/S/25/11758

Max. Marks : 40

- Notes :
1. All the questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram wherever necessary.
 3. Avoid vague answers and write answers related to questions only.

Either:

1. a) What is Multiplexing and why it is used in communication system? Explain 4
- b) Describe common error detection techniques such as parity checking and CRC. 4

OR

- c) Write a note on Asynchronous and Synchronous transmission. 4
- d) Explain the characteristics of guided transmission media. 4

Either:

2. a) What is packet switching? Explain with suitable example. 4
- b) Explain the concept of topologies. Write a brief note on star topology. 4

OR

- c) What do you mean by Medium Access Control Protocol? Explain 4
- d) Write the advantages and disadvantages of Ring topology. 4

Either:

3. a) Explain the importance of Protocol in network communication. 4
- b) Demonstrate the function of bridge in network topology. 4

OR

- c) What is SNA (System Network Architecture) and why it is different from TCP/IP? 4
- d) Describe the main components of TCP/IP suit. 4

Either:

4. a) What is Intranet? Explain in detail. 4
- b) When we can use cloud computing? Explain 4

OR

- c) List the Networking Hardware and explain any one of them. 4
- d) Explain the security in cloud computing. 4

5. Solve all the questions.
- a) Explain the term attenuation with example. 2
- b) What do you mean by Datagram? Explain 2
- c) Differentiate between application layer and presentation layer. 2
- d) Why cloud computing is important? Explain 2
