

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

P. Pages : 1

Time : Three Hours



GUG/S/23/11758

Max. Marks : 40

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

Either:

1. a) Explain the Analog and Digital data transmission in detail. 4
- b) Explain the Transmission Media in detail. 4

OR

- c) Difference between Asynchronous and Synchronous Transmission. 4
- d) Explain the error Detection Technique in detail. 4

Either:

2. a) Write a note on Circuit Switching. 4
- b) Explain the Datagram Routing in detail. 4

OR

- c) Explain the X.25 LAN in detail. 4
- d) Define topology. Explain the different types of topology in brief. 4

Either:

3. a) Explain the OSI Model in detail. 4
- b) Explain the Principles of Internetworking in detail. 4

OR

- c) Explain the following. 4
 - i) Bridges ii) Routers
- d) What are connectionless Internetworking. 4

Either:

4. a) Define Cloud Computing. Explain types of Cloud computing. 4
- b) Explain the benefits and limitation of Cloud Computing. 4

OR

- c) Write a short note on Cloud Security. 4
- d) Explain the Cloud computing with Titans Google in detail. 4

5. Attempt all the questions.
 - a) What is Data Link Controls Protocols in brief. 2
 - b) Define a Packet Switching in short. 2
 - c) Explain The TCP/IP Protocols in brief. 2
 - d) Write an application of Cloud computing. 2
