

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

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- 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

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