

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

P. Pages : 1

Time : Three Hours



**GUG/W/22/11758**

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) What is Data Transmission? Explain Analog and Digital Data Transmission in detail. **4**
- b) Explain in brief Asynchronous and Synchronous Transmission. **4**

**OR**

- c) Explain in detail about Data Link Control Protocols. **4**
- d) What is Flow Control? Explain Interfacing in detail. **4**

Either:

2. a) What is Circuit Switching? Explain in brief. **4**
- b) Explain the concept of LAN and MAN Terminology. **4**

**OR**

- c) Discuss about types of Topologies in detail. **4**
- d) Explain in brief about Medium Access Control Protocols. **4**

Either:

3. a) What is OSI model? Explain in brief with a proper diagram. **4**
- b) Explain in detail about Connection Oriented Internetworking. **4**

**OR**

- c) Discuss about TCP / IP Protocol Suite in detail. **4**
- d) Explain in detail about Router – Level Protocol. **4**

Either:

4. a) What is Cloud Computing? Give the applications of Cloud Computing. **4**
- b) List and explain Security and Services in Cloud Computing. **4**

**OR**

- c) Discuss Security Concurrence and Regular Issues in detail. **4**
- d) Explain in detail about Clients in Cloud Computing. **4**

5. Attempt all the questions.

- a) Write short note on Analog and Digital Signal. **2**
- b) Discuss X.25 concept. **2**
- c) What is the concept of Bridges? **2**
- d) Give the benefits and Limitations of Cloud Computing. **2**

\*\*\*\*\*