

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

P. Pages : 2

Time : Three Hours



GUG/W/23/11758

Max. Marks : 40

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answer and write specific answer related to questions.

Either:

1. a) Explain the Transmission modes in detail. 4
- b) Write difference between Asynchronous and Synchronous Transmission. 4

OR

- c) Explain how sliding window Method is used to control the data flow across communication. 4
- d) What is multiplexing? What is its use? 4

Either:

2. a) Write difference between packet switching and circuit switching. 4
- b) Explain star topology with its advantages and disadvantages. 4

OR

- c) Explain random routing and adaptive routing. 4
- d) Explain medium access control in LAN architecture. 4

Either:

3. a) Define protocol? Explain different protocol functions which are present in different levels. 4
- b) What is TCP/IP protocol architecture. Explain its operation in detail. 4

OR

- c) Differentiate between connectionless and connection oriented internetworking. 4
- d) What is the use of routing table which is maintained by the router. 4

Either:

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|-----------|----|--|----------|
| 4. | a) | Explain different development models of cloud computing in detail. | 4 |
| | b) | Explain the architecture of cloud computing in brief. | 4 |

OR

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|-----------|-----|---|----------|
| | c) | Explain the following- | 4 |
| | i) | Cloud security | |
| | ii) | Cloud services | |
| | d) | Explain legal issues regarding cloud computing. | 4 |
| 5. | | Attempt all the questions. | |
| | a) | What is data link control protocols in brief. | 2 |
| | b) | Discuss X.25 concept. | 2 |
| | c) | What is the concept of Bridges. | 2 |
| | d) | Write short note on cloud computing models. | 2 |
