

Total No. of Questions: [03]

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PAPER CODE	U321-231A(ESE)
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MAY 2022 - ENDSEM EXAM
T.Y. B. TECH (COMPUTER ENGINEERING) (SEMESTER-II)
COURSE NAME: PROFESSIONAL ELECTIVE -II
[COMPUTER NETWORK-II]
COURSE CODE: CSUA32181A
(PATTERN 2018)

Time: [1 Hr]

Max. Marks: [30]

Instructions to candidates:

- 1) Figures to the right indicate full marks.
- 2) Use of scientific calculator is allowed.
- 3) Use suitable data where ever required.

- Q.1 a) Examine the current trends in digital communication? [4]
 b) Give significance of time synchronization with respect to Automated Teller Machine (ATM) transaction. [6]

OR

- b) "Packet loss and delay can impact voice or video communication." [6]
 Justify your answer.

- Q2 a) Interpret the type of a router do you need to connect a small branch to the corporate network? [4]
 b) Illustrate the steps you would take to when a host does not reach the internet? [6]

OR

- b) Illustrate the type of problems that can occur at the Data Link layer and Transport layer? [6]

- Q.3 a) Compare and Contrast between a URI and a URL? [4]
 b) Discuss the differences between the different types of SDN? [6]

OR

- b) "Virtualization is the success key to small organizations." With respect to above statement illustrate the pros and cons of virtualization. [6]