

Total No. of Questions: [03]

Total No. of Printed Pages: [02]

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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)
MARKING SCHEME

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]
MARKING SCHEME:
Each trend 1 mark

b) Give significance of time synchronization with respect to [6]
Automated Teller Machine (ATM) transaction.
MARKING SCHEME:
Each significance 1 mark

OR

b) "Packet loss and delay can impact voice or video [6]
communication." Justify your answer.
MARKING SCHEME:
Packet loss voice and video 3 marks
Delay voice and video 3 marks

Q2 a) Interpret the type of a router do you need to connect a small [4]
branch to the corporate network?
MARKING SCHEME:
Enlisting each router type 1 mark

- b) Illustrate the steps you would take to when a host does not reach the internet? [6]

MARKING SCHEME:

Each step 1 mark

OR

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

MARKING SCHEME:

Data link problem 3 marks

Transport layer problem 3 marks

Q.3

- a) Compare and Contrast between a URI and a URL? [4]

MARKING SCHEME:

URI 3 marks

URL 3 marks

- b) Discuss the differences between the different types of SDN? [6]

MARKING SCHEME:

Each difference 1 mark

OR

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

MARKING SCHEME:

Pros 3 marks

Cons 3 marks