

Total No. of Questions – [4]

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G.R. No.

U359-121(T1) / U359-141(T1)

OCTOBER 2019/ INSEM (T1)

T. Y. B. TECH. (COMPUTER ENGINEERING/INFORMATION TECHNOLOGY)
(SEMESTER -I)

COURSE NAME: COMPUTER NETWORKS

COURSE CODE: CSUA31171/ITUA31171

(PATTERN 2017)

MARKING SCHEME

Time: [1 Hour]

[Max. Marks: 30]

(*) Instructions to candidates:

- 1) Answer Q.1 OR Q.2 and Q.3 OR Q.4.
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed
- 4) Use suitable data where ever required

Q.1) a) Discuss the term Internet. Differentiate between LAN, MAN and WAN. [6]

MS:

Internet Definitions: 2 Marks

Differentiate between LAN, MAN and WAN: 4 Marks

b) Explain the concept of addressing with following addressing schemes [6]

i. Physical address

ii. Logical address

iii. Port address

MS:

Each addressing scheme: 2 Marks each

c) What is message timing? Mention the various message delivery options. [4]

MS:

Message Timing definitions: 2 Marks

Message delivery options: 2 Marks

- Q.4) a) Explain the OSI model for communication. What are the benefits of using layered model? [6]

MS:

Explanation OSI model: 3 Marks

Benefits: 3 Marks

- b) Differentiate between fast Ethernet and gigabit Ethernet. [4]

MS:

Differentiation each point 1 Mark.

- c) Discuss various media access control techniques. [4]

MS:

Mentioning 1 mark for each point

*****ALL THE BEST*****