

No Preview  
Available

Total No. of Question : [4]

Registration No. :

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**Programme Name : Bachelor of Electronics and Telecommunication Engineering**

**Regular B.Tech.Final Year (A.Y.2023-24) ESE Sem. VII Nov.2023**

**VII SEMESTER ( 2020 BATCH)**

**201ETL401-Data Communication and Networks(TH)**

Duration : [ 02:00 PM - 04:00 PM ]

Date : 21 Nov, 2023

Day : Tuesday

Marks : 50

**Instructions :**

**(Q1) All Questions are compulsory** [20.0]

(1.1) Draw and explain OSI reference model in detail [6.0]

**CO :- 1**

**Blooms Taxonomy :-** Remember, Understand, Apply

(1.2) Explain HDLC with modes of operation and frame formats [7.0]

**CO :- 4**

**Blooms Taxonomy :-** Remember, Understand, Apply, Analyze

(1.3) Explain Sliding window protocol with neat schematic. [7.0]

**CO :- 2**

**Blooms Taxonomy :-** Remember, Understand, Apply

**(Q2) All Questions are compulsory** [10.0]

(2.1) Draw and explain IPv4 Datagram [4.0]

**CO :- 3**

**Blooms Taxonomy :-** Remember, Understand, Apply, Analyze

(2.2) Explain Distance Vector Routing protocol [6.0]

**CO :- 4**

**Blooms Taxonomy :-** Remember, Understand, Apply, Analyze

**OR [ 2.2 / 2.3 ]**

(2.3) Differentiate IPv4 and IPv6 [6.0]

**CO :- 4**

**Blooms Taxonomy :-** Remember, Understand, Apply, Analyze

(Q3) **All Questions are compulsory** [10.0]

(3.1) Compare reliable and non reliable protocol [3.0]

**CO :- 4**

**Blooms Taxonomy :-** Remember, Understand, Apply, Analyze

(3.2) Explain User Datagram Protocol Operation in detail [7.0]

**CO :- 1, 4**

**Blooms Taxonomy :-** Remember, Understand, Apply, Analyze

**OR [ 3.2 / 3.3 ]**

(3.3) Explain TCP with frame format in detail. [7.0]

**CO :- 4**

**Blooms Taxonomy :-** Remember, Understand, Apply, Analyze

(Q4) **Attempt any two** [10.0]

(4.1) Explain the Domain Name System [5.0]

**CO :- 4**

**Blooms Taxonomy :-** Remember, Understand, Apply, Analyze

(4.2) Illustrate HTTP in detail [5.0]

**CO :- 4**

**Blooms Taxonomy :-** Remember, Understand, Apply, Analyze

(4.3) Explain Remote Logging at application layer [5.0]

**CO :- 4**

**Blooms Taxonomy :-** Remember, Understand, Apply, Analyze

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