



RAN - 2003000205030022

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T.Y.B.Sc. (Electronics) (Sem. V) Examination October - 2023

Computer Networking GE for Electronics

Paper : GE/IDS

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

(१)

नीचे दशविवेक निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. Electronic (Sem. V)

Name of the Subject :

Computer Networking GE for Electronics
Paper : GE/IDS

Subject Code No.: 2003000205030022

Seat No.:

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Student's Signature

- (1) Figures on the right indicates full marks
- (2) All symbols and abbreviations have their usual meaning
- (3) Non-programmable calculators are allowed
- (4) Q. 1 is compulsory
- (5) Assume data if necessary

Q. 1 Answer in short:

08

- (a) What is Decryption?
- (b) Define a network.
- (c) Why has the PCM sampling time been set at 125 μ s?
- (d) Differentiate LAN and WLAN.

Q. 2 (a) Explain each layer in network layer protocols of TCP/IP protocol suite.

07

(b) Briefly explain CSMA.

07

OR

Q. 2 (a) Explain 10BaseT, 10Base2 and 10Base5 cables in brief.

07

(b) Differentiate between Fiber Optic & Copper Wire.

07

- Q. 3** (a) Classify Ethernet. Explain its architecture in detail. **07**
(b) How unguided media differ from the guided media? **07**

OR

- Q. 3** (a) Give a brief account of infrared transmission. **07**
(b) What is standard? Give the list standard used. Explain in brief. **07**

Q. 4 **Write short note: (ANY TWO)** **14**

- (a) FDDI and CDDI
(b) Token ring operation
(c) Wireless media.
(d) Bus, Star and Ring topology
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