



RAN - 2103000206030023

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T.Y.B.Sc. (Electronics) (Sem. VI) Examination March - 2025

GE / IDS : Advance Networking & Cyber Security

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

(१)

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

Name of the Examination:

T.Y.B.Sc. (Electronics) (Sem. VI)

Name of the Subject :

GE / IDS : Advance Networking & Cyber Security

Subject Code No.: **2103000206030023**

Seat No.:

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Student's Signature

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

Q.1. Answer in short: 08

- (a) What is encoding and decoding?
- (b) Bluetooth uses what band of frequencies?
- (c) Define Cyber Security.
- (d) List commonly available domain names.

Q.2. (a) Explain virtual LAN in detail. 07

(b) Explain infrared wireless LAN with the help of its architecture. 07

OR

Q.2. (a) Explain the idea of Wireless home networking. 07

(b) Describe ATM architecture in detail. Also discuss its layers. 07

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[P.T.O.]

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- Q.3** (a) Explain briefly the internet addressing schemes. **07**
(b) State and explain the two modes of operation of IP security. **07**

OR

- Q.3.** (a) Briefly describe the different access control methods. **07**
(b) Explain Routers in detail. **07**

Q.4. Write short notes (ANY TWO) 14

- (a) Translating Bridge
(b) Cryptography
(c) Fire walls
(d) Virtual Private Networks
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