RAN-1222

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

March / April - 2019

(Generic Elective for Electronics)

Advance Networking & Cyber Security

Time: 2 Hours]   **[Total Marks: 50**

સૂચના : / Instructions

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. **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 : ☛ **(Generic Elective for Electronics)** Subject Code No.: **1 2 2 2**

Seat No.:

☐ ☐ ☐ ☐ ☐

Student's Signature

Instruction:

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

Q.l	**Answer in short:**	**08**
(a)	Define loT.	
(b)	What is ethical hacking & virus.	
(c)	Define internet protocols.	
(d)	Give the expanded form of PAN & SAN.	

Q.2	**(a)**	Give a brief account of Bluetooth technology.	**07**
	(b)	Explain briefly the internet addressing schemes.	**07**

<div align="center">OR</div>

Q.2	**(a)**	Write a short note on Virtual private network.	**10**
	(b)	Briefly explain the need for network security.	**04**

Q.3 **(a)** Briefly explain SNMP. **10**

(b) Draw the network management architecture and explain it in detail. **04**

OR

Q.3 **(a)** Write a short note on wireless PAN. **07**

(b) Show the different fibre channel layers and explain them briefly. **07**

Q.4 Write short notes **(Any Two)** **14**

(a) Routers

(b) Wireless home networking

(c) firewalls

(d) Cryptography

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