AD-3301

Third Year B. Sc. (Electronics) (Sem. VI) Examination
March/April – 2015
Advance Networking & Cyber Security
(Generic Elective for Electronics)

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

Instructions :

(1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.

Name of the Examination :

☛| **THIRD YEAR B. SC. (ELECTRONICS) (SEM. VI)**

Name of the Subject :

☛| **ADVANCE NETWORKING & CYBER SECURITY**

☛Subject Code No. : | **3** || **3** || **0** || **1** | ☛Section No. (1, 2,......) : | **Nil**

Seat No. :

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

1   Answer in short: **8**

    (a)   Define internet & intranet.

    (b)   Define hacking & virus.

    (c)   Define protocols.

    (d)   Give the expanded form of PAN & SAN.

2   (a)   Define Wireless LAN. Describe briefly the infrared   **7**
            wireless LAN.

    (b)   Briefly explain ATM LAN.   **7**

OR

2   (a)   Enlist various bridges and explain transparent bridges   **7**
            and source routing bridges.

    (b)   Briefly explain virtual LAN.   **7**

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

	(b)	Draw the network management architecture and explain it in detail.	**4**

<p style="text-align:center;">**OR**</p>

3	(a)	Write a short note on wireless PAN.	**7**

	(b)	Show the different fibre channel layers and explain them briefly.	**7**

4	Write short notes : **(ANY TWO)**	**14**
	(a)	Bluetooth technology
	(b)	Wireless home networking
	(c)	Virtual private network
	(d)	Cryptography

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