DRR-3301
Third Year B. Sc. (Electronics) (Sem. VI) Examination
April / May - 2016
Advance Networking & Cyber Security
(Generic Elective for Electronics)

Time : 2 Hours]
[Total Marks : 50

Instructions :
(1) Fillup strictly the details of \( \text{\textbullet} \) 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

(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) What is cryptography ?
(b) Give the full forms of SAN and PAN.
(c) Define Bluetooth.
(d) List commonly available domain names.

2 (a) Enlist five devices that could be connected via Bluetooth and show how they might be networked.
(b) Explain wireless LAN with the help of its architecture. 4

OR

2 (a) Give a brief account of MAC. 7
(b) Briefly explain virtual LAN. 7
3 (a) Give a brief account of Routers. ........................................... 7
(b) Explain briefly the internet addressing schemes. ..................... 7

OR

3 (a) Briefly describe the different access control methods. .......... 10
(b) State and explain the two modes of operation of IP security. .... 4

4 Write short notes: (any two) .................................................. 14
(a) Bluetooth technology
(b) Wireless home networking
(c) Firewalls
(d) Virtual LAN.