



**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)

नीचे दृष्टावेक निशानीवाणी विगतो उतरवडी पर अवश्य लपवी.  
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) 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. 10
- (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) Fire walls  
(d) Virtual LAN.
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