

Total No. of Questions :6]

SEAT No. :

P229

[Total No. of Pages :2

Oct./ BE/ Insem. - 545

**B.E. (Electronics & Telecommunication)
COMPUTER NETWORK & SECURITY
(2015 Pattern) (Semester - I) (404182)**

Time : 1 Hour]

[Max. Marks :30

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Use of logarithmic tables slide rule, Mollier charts, electronic pocket calculator and steam tables is allowed.
- 5) Assume suitable data, if necessary.

- Q1) a)** Draw & Explain BSS and ESS in IEEE 802.11 standard. [6]
- b)** Explain CSMA / CA Protocol. [4]

OR

- Q2) a)** Explain 10 Giga bit Ethernet. [4]
- b)** Explain Bluetooth Frame format. [6]

- Q3) a)** Explain different performance parameters of Network Layer. [6]
- b)** Explain the following in mobile IP: [4]

- i) Home address
- ii) Care of address
- iii) Home agent
- iv) Foreign Agent

OR

P.T.O.

- Q4)** a) What is classful & classless addressing in Network Layer. [6]
b) List the various protocols giving their significance at Network Layer. [4]

- Q5)** a) Explain Extension Header Format for IPV6. [6]
b) Explain distance vector and Link state protocols. [4]

OR

- Q6)** a) Explain intradomain multicast routing protocol DVMRP. [5]
b) What is routing algorithm? Explain its properties. [5]