Seat
No.

BCA (Part - III) (Semester - V) Examination, October - 2017
COMPUTER NETWORK (Paper - 503)
Sub. Code : 66417

Day and Date : Tuesday, 24 - 10 - 2017   **Total Marks : 80**
Time : 10.30 a.m. to 01.30 p.m.
Instructions :   1)   **Attempt any five questions**

　　　　　　　　 2)   **Each question carries equal marks.**

Q1) a)   Define Network. Explain Various Components of network in detail.   **[8]**

　　　 b)   List and Explain different transmission media available in networking. **[8]**

Q2) a)   State and explain Data flows in networking.   **[8]**

　　　 b)   Explain OSI reference Model in detail.   **[8]**

Q3) a)   What is multiplexing? Explain different types multiplexing.   **[8]**

　　　 b)   Differentiate OSI and TCP/IP reference model in networking   **[8]**

Q4) a)   what is cryptography? Explain symmetric and asymmetric key cryptography.   **[8]**

　　　 b)   Explain various design issues in network layer.   **[8]**

Q5) a)   State and explain Transport layer primitives in detail.   **[8]**

　　　 b)   Explain serial and parallel transmission modes of network.   **[8]**

Q6) a)   Explain types of networks.   **[8]**

　　　 b)   Explain TCP and IP protocol in detail.   **[8]**

P.T.O.

Q7) a) Explain congestion control in network layer. [8]

b) Explain Simple mail transfer protocol in detail. [8]

[16]

Q8) Write short note on (any two)

a) Domain Name System (DNS)

b) Hypertext Transfer file protocol (HTTP)

c) Services provided by session Layer.

d) Routing Algorithm.

◆◆◆◆