

M.C.A. DEGREE EXAMINATIONS: NOVEMBER 2009

Third Semester

P07CA301 COMPUTER NETWORKS

Time: Three Hours

Maximum Marks: 100

Answer ALL Questions:-

PART A (10 x 2 = 20 Marks)

1. Define Point-point and multiple access links.
2. State how packets are transferred in a packet switched network.
3. Define DMA
4. What is CODEC?
5. Define a switch.
6. Define Virtual circuit.
7. What is Maximum segment lifetime?
8. Define TCP congestion.
9. Define lossless compression
10. State the purpose of SNMP.

PART B (5 x 16 = 80 Marks)

11. a) Write a note on ARQ schemes.

(OR)

- b) Explain the architecture of Internet.

12. a) Write a note on

(i) Bluetooth (8)

(ii) WiFi (802.11) (8)

(OR)

- b) Write a note on

(i) WiMax (8)

(ii) Cellphone technologies (8)

13. a) Explain the process of segmentation and reassembly in ATM.

(OR)

b) Write a note on Virtual circuit Switching.

14. a) Explain the segment format of TCP.

(OR)

b) Explain Random early detection method of congestion avoidance.

15.a) Explain the phases in JPEG image compression

(OR)

b) Write a note on DNS.

Time: T

1. Give
2. Why
3. Wha
4. Exp
5. Wha
6. Wha
7. Dist
8. Exp
9. Def
10. How

11.

12.

13.