

(Library)

Computer networks

Con-2645-07.

ND-8309

(REVISED COURSE)

(3 Hours)

[Total Marks : 100**(N.B. : Attempt any five questions)**

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|----|---|----|
| 1. | (a) Explain circuit switching, packet switching and message switching with suitable example. | 10 |
| | (b) Explain sub-netting. | 10 |
| 2. | (a) Explain how TCP controls congestion. | 10 |
| | (b) Explain ATM adaption layer. Also describe the VPZ and VCZ concept. | 10 |
| 3. | (a) State different physical media properties. Explain any one in detail. | 10 |
| | (b) List blue tooth feature and explain network formation process. | 10 |
| 4. | (a) Give the functions of repeater, hub, bridge, switch, router, gateway. | 10 |
| | (b) Explain RSA Algorithm with suitable example of public key security. | 10 |
| 5. | (a) Explain the need of layered Architecture of computer network. Also explain data transmission and protocols in layered Architecture. | 10 |
| | (b) Discuss various services offered by transport layer. | 10 |
| 6. | (a) Explain DNS system. | 10 |
| | (b) Explain SMTP. | 10 |
| 7. | (a) What are different types of routing Algorithms ? Explain any one in detail. | 10 |
| | (b) Explain stop and wait and sliding window protocols with suitable example. | 10 |