

Computer Networks (0/9)

- Q. Note :-
- 1) Q.No. 1 is compulsory.
 - 2) Figures to the right indicate marks.
 - 3) Attempt any five questions from Q.No. 02 to Q.No. 07.
 - 4) Draw neat and labelled diagrams, wherever necessary.
 - 5) Write answers to the same question together.

Q.1. A) Describe the OSI reference model. Explain the functions of all the different layers. — (8)

B) What is cryptography? State and explain its components. — (8)

C) With the help of an example, explain the working of DNS. — (4)

Q.2. A) Explain circuit and message switching. — (5)

B) What is CRC? Explain CRC generator and checker. — (8)

Q.3. A) What is Multiplexing? Explain FDM in detail. — (8)

B) ^{State all} ~~write any~~ and explain any two guided media. — (8)

Q.4. A) Explain IP v4 protocol. — (8)

B) Explain modes of transmission. — (8)

Q.5. A) List down the various networking devices and explain any three in detail. — (8)

B) What is network topology? Explain the various topologies in detail. — (8)

Q.6. A) What is distributed computing? state its advantages and disadvantages. — (8)

B) Describe Go-back N ARQ. — (8)

Q.7.) Write short note on (Any four) — (16)

- A) ATM
- B) Frame Relay
- C) GPS
- D) ISDN
- E) SNMP.

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