

Q-2 Answer in short. (Any SEVEN)

[14]

1. Define blocking probability.
2. Summarize the classification of switching system.
3. What is dial tone? When its works?
4. What are the drawbacks of rotary dial telephone?
5. Give the procedure for establishing connection of crossbar switch.
6. What is the function of initial translator?
7. Explain grade of service (GOS).
8. Explain Busy hour.
9. Explain day to busy hour traffic ratio.

Q-3 (a) Explain impulsing circuit of rotary dial telephone in detail

(6)

(b) Explain different signaling function (tones) in detail.

(6)

OR

(b) Write a short note on Strowger switching components with necessary diagram.

(6)

Q-4 (a) Explain block diagram of common control switching system.

(6)

(b) Describe the design consideration for touch tone signaling system.

(6)

OR

(b) Write a short note on Crosspoint technology.

(6)

Q-5 (a) Write a short note on Distributed SPC.

(6)

(b) Describe in detail time division time switching.

(6)

OR

(b) Write a short note on centralized SPC.

(6)

Q-6 (a) Explain network traffic load and their parameters in detail.

(6)

(b) Explain blocking models and loss estimates.

(6)

OR

(b) Write a short note on birth-death process related to traffic engineering.

(6)