

2. Attempt any **FOUR** of the following:

- a) Draw and explain folded and non-folded network.
- b) List any four application each for distance learning and telemedicine.
- c) Compare IP phone over Voice phone.
- d) Explain working of DSL with a neat labelled diagram.
- e) Draw block diagram of MODEM and explain function of each block.

16

3. Attempt any **FOUR** of the following:

- a) What is data compression? Why it is used in FAX System.
- b) Explain Digital TDM/PCM switch for EPABX
- c) List services provided by ISDN. Explain any one.
- d) List six maintenance steps for EPABX.
- e) Explain architecture of ISDN with a neat labelled diagram.

8

4. a) Attempt any **TWO** of the following:

- (i) Describe X-400 family of standard reference to ISDN.
- (ii) Draw the wiring diagram of EPABX.
- (iii) What is the significance of sidetone in telephone conversation.

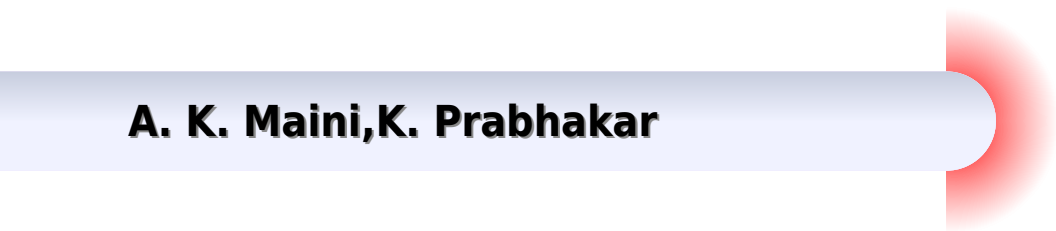
b) Attempt any **ONE** of the following:

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- (i) Explain different elements of switching with neat sketch.
- (ii) List the steps for installation of EPABX System.

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A. K. Maini, K. Prabhakar



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