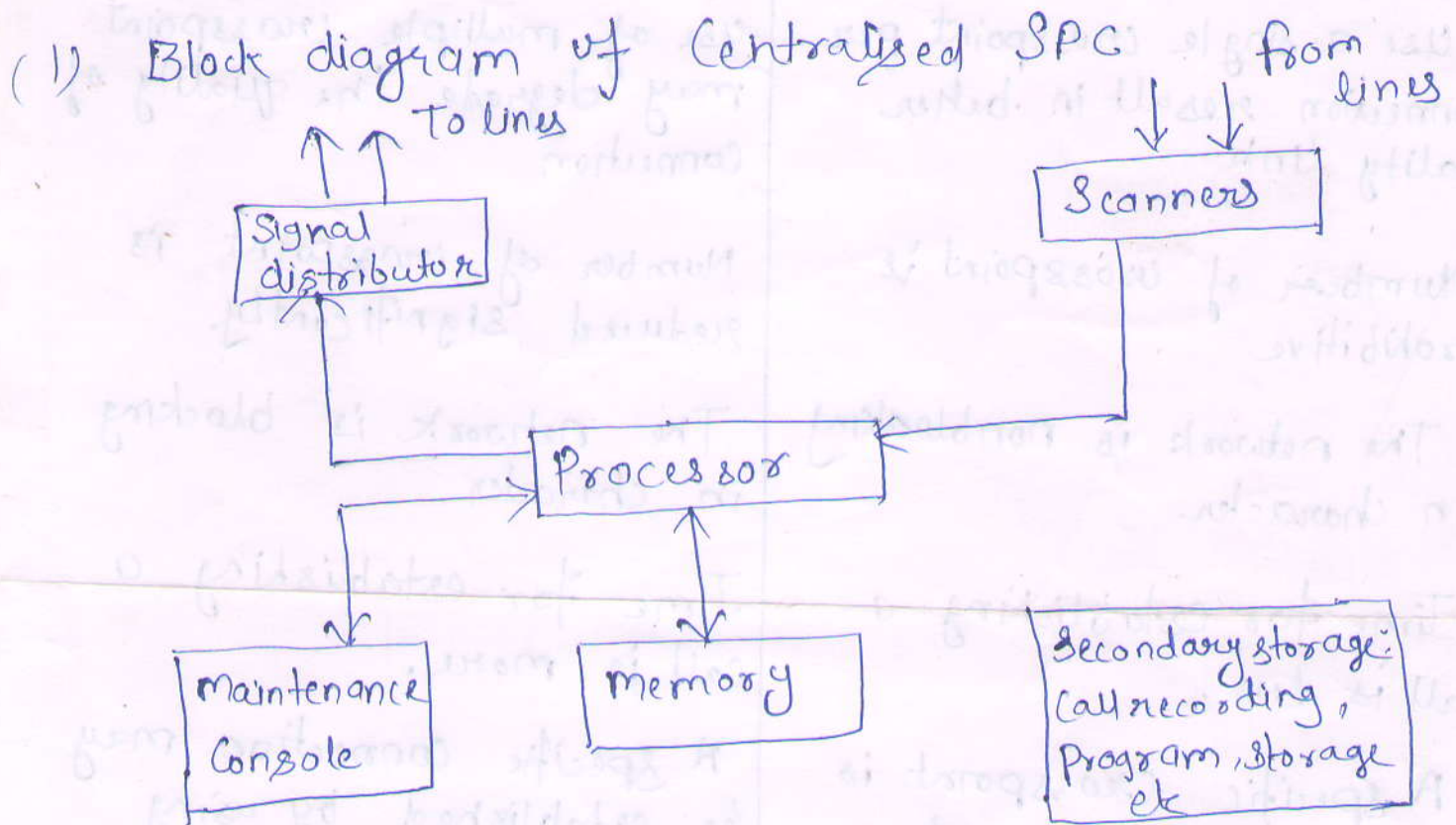


- (1) Explain the block diagram of Centralised SPC
- (2) Difference between Single stage and Multistage Network
- (3) Explain the LAN.



In centralised control, all the control equipment is replaced by a single processor which must be quite powerful. It must be capable of processing 10 to 100 calls per second, depending on the load on the system and simultaneously performing many other ancillary tasks.

A centralised SPC configuration may use more than one processor for redundancy purpose. Each processor has access to all exchange resource like scanners and distribution point and it's capable

Ans -> difference between single stage and multistage Network

Single Stage

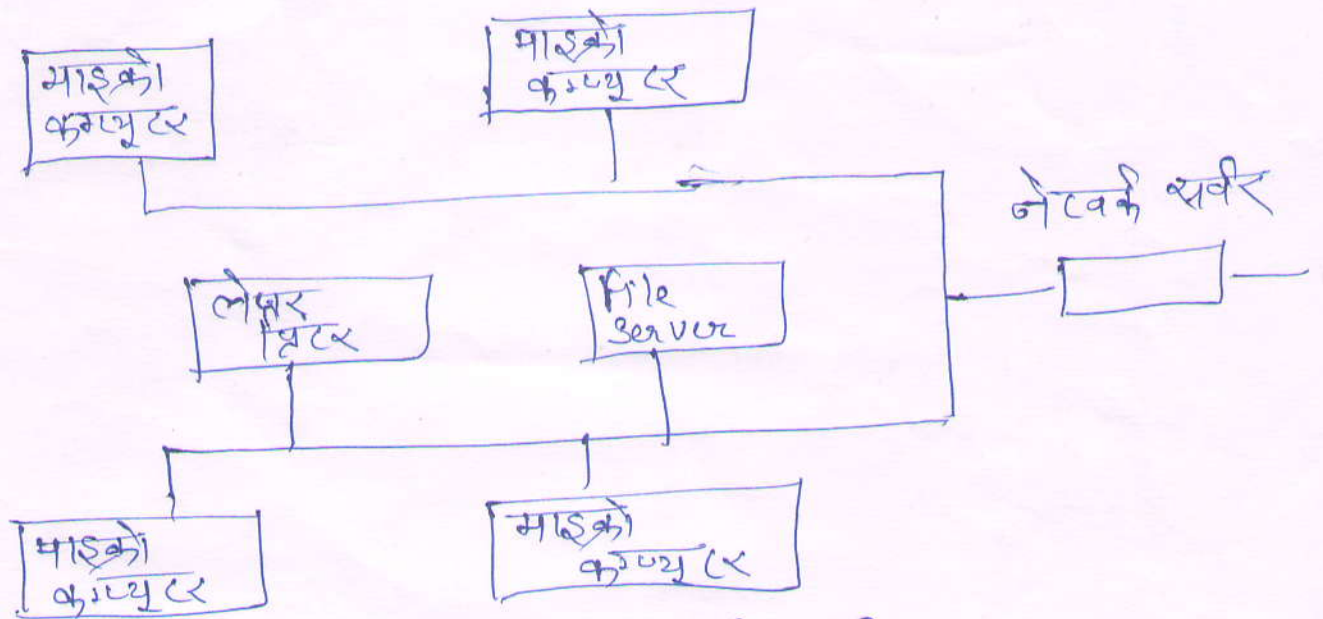
- (1) Inlet to outlet connection is through a single crosspoint.
- (2) Use of a single crosspoint per connection result in better quality link.
- (3) Number of crosspoint is prohibitive.
- (4) The network is nonblocking in character.
- (5) Time for establishing a call is less.
- (6) A specific crosspoint is needed for each specific connection.
- (7) Each individual crosspoint can be used for only one inlet/outlet pair connection.
- (8) If a crosspoint fails, associated connection cannot be established.

Multi Stage

- Inlet to outlet connection is through multiple crosspoint.
- Use of multiple crosspoint may degrade the quality of connection.
- Number of crosspoint is reduced significantly.
- The network is blocking in character.
- Time for establishing a call is more.
- A specific connection may be established by using different sets of crosspoint.
- Same crosspoint can be used to established connection between a number of inlet/outlet pair connection.
- Alternative cross-point and paths are available.

Ans-3.

LAN → यह एक Local Area Network है।
एक इमारत अथवा इमारतों के समूह में ऐसा
कम्प्यूटर नेटवर्क जिसमें दो या दो से अधिक कम्प्यूटर
भौतिक रूप से जुड़े होते हैं। लोकल एरिया नेटवर्क कहलाता
है। जुड़े हुए कम्प्यूटर बर्सेरान कहलाते हैं।
इसमें कम्प्यूटर एक दूसरे से इसलिये जुड़े होते
रहते हैं जिससे मंहेंगे उपकरण जैसे लेजर प्रिंटर का संयुक्त
रूप इस्तमाल कर सकें तथा सर्वर में मौजूद डाटाबेस
और एप्लीकेशन सभी बर्सेरानों के लिये उपलब्ध हो
सके।



लोकल एरिया नेटवर्क

LAN निम्न 3 भागों में बाटा गया है।

- (1) ईथरनेट
- (2) आर्किनेट
- (3) टोकन रिंग नेटवर्क