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Programmable Logic Controller Important 10 Mark question

Unit I

- 1. Draw the block diagram of PLC and explain its principle of operation.
- 2. Draw and explain the block diagram of PLC system.

<u>Unit II</u>

- 1. Explain briefly about relay O/P module and TTL O/P module.
- 2. What are the advantages and disadvantages of output modules?

Unit III

- 1. Explain the working of an automatic star-delta starter using PLC ladder diagram.
- 2. Explain ON delay timer and OFF delay timer with simple examples.

<u>Unit IV</u>

- 1. Explain the various types of network topologies.
- 2. Discuss about the various layers in communication protocol.

Unit V

- 1. Explain the operation of DAS with a generalized block diagram.
- 2. Explain closed loop control and PID control of an industrial control system.