

VITHALBHAI PATEL & RAJRATNA P. T. PATEL SCIENCE COLLEGE

Vallabh Vidyanagar

Internal Test [2013 - 14]

Semester - VIth

B. Sc. (INSTRUMENTATION - VOCATIONAL)

Subject: Control Techniques - 2 (US06CINV02)

Maximum Marks: 30

Date: 11 03 2014

Time: 15:30 - 17:00

Que 1 Short Questions (Attempt any Three)

[06]

- 1 What do you mean by Open Loop Control System?
- 2 Give the architecture of PLC.
- 3 What is DCS?
- 4 Explain Time - Driven Sequential Control System.
- 5 What is the function of Programmer Unit (in PLC)?
- 6 What is Operator's Console (in DCS)?



Que 2 Write a detailed note on Ratio Control System.

[08]

OR

- [A] Explain Feedback Control System. [04]
[B] Write a note on Numerical Control System. [04]

Que 3 Write a detailed note on PLC Selection.

[08]

OR

- [A] Explain PLC Communications and Networking. [04]
[B] Give an account of Ladder Diagram Symbols. [04]

Que 4 Write a detailed note on DCS.

[08]

OR

- [A] Explain Video Display with respect to DCS. [04]
[B] Write a note on Group Displays. [04]