

EXTRA

V.P. & R.P.T.P Science College

Internal Test 1

Semester VI Examinations

Control Room Instrumentation (US06CINV03)



Date: 12-03-2014

Duration: 1.30 Hr.

Total Marks: 30

- Q.1 Answer the questions in brief (any three). 6
1. Explain in brief vocal annunciators.
 2. Describe optional feature of annunciators.
 3. Mention how air pressurization is helpful in control room design.
 4. Enlist advantages and disadvantages of steel as construction material for panels.
 5. Describe in brief uninterruptible voltage supply.
 6. Explain bus transfer switches briefly.
- Q.2 Enlist all types of annunciators. Explain integral and recording type annunciators with necessary diagrams. 8
- OR
- A Describe principle of operation of Annunciator system. 4
- B Explain semi-graphic annunciator. 4
- Q.3 Explain in details the types of traditional control panels. Also explain back of panel layout. 8
- OR
- A Describe control room for DCS system. 4
- B Give an account on traditional front panel layouts. 4
- Q.4 Give a detailed account on power failure classification. 8
- OR
- Enlist system components of UPS. Explain in details rotating equipments and batteries for UPS. 8

Best Wishes