

Code No: R05311002

Set No. 2

III B.Tech I Semester Regular Examinations, November 2008
INDUSTRIAL INSTRUMENTATION
(Electronics & Instrumentation Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) What is planimeter? Explain the planimeter technique with suitable sketch?
(b) Describe one method of measuring angle? Explain in detail with neat sketch? [8+8]
2. What are different types of electrical tachometers? Explain in detail. [16]
3. (a) Draw the sketch and working of hydraulic load cell.
(b) What is dynamometer? Explain any one in detail. [8+8]
4. (a) Explain bellow gauges.
(b) Describe the operation of cistern manometer. [8+8]
5. Write short notes on vortex shedding type flow meters and on what factors minimum acceptable flow rate for the vortex meter depend. [16]
6. Write short notes on strain gauge load cell method. [16]
7. Define radiometers and explain the fundamentals of radiation. [16]
8. Explain any 2 direct methods of level measurement. [16]
