

Code: R7411005

R7

IV B.Tech I Semester (R07) Supplementary Examinations, May 2012
POWER PLANT INSTRUEMNTATION
(Electronics & Instrumentation Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. Explain in detail various methods of power generation.
2. Explain about current, voltage and power measurements.
3. (a) Explain the flow of feed water.
(b) Explain the smoke density measurements.
4. (a) Explain air fuel ratio control.
(b) Explain reheat stream temperature.
5. Explain in detail about the principle and operation of a spray and gas recirculation controls.
6. (a) Write about generator cooling system.
(b) Explain condenser vacuum control.
7. (a) Explain oxygen analyzer.
(b) Write about hydrogen purity meter.
8. (a) What are the basic parts of gas chromatography? Explain in detail each part.
(b) Write short notes on survey of pollution monitoring.
