

Code :R7410311

R7

IV B.Tech I Semester(R07) Supplementary Examinations, May/June 2011
POWER PLANT ENGINEERING
(Mechanical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. Explain with a neat sketch the working principle of pulverized coal storage in bunker & pulverized fuel handling system.
2. Explain with a neat sketch the working principle of various types of ash handling systems.
3. Explain with a neat sketch the working principle of fuel pump in diesel power plant.
4. Explain the working principle of closed cycle gas turbine with a neat sketch and name the various fuels used in the gas turbines.
5. Explain with a line diagram the working principle of hydro electric power plant.
6. Explain with a neat sketch the working principle of MHD generator and its advantages and disadvantages.
7. Explain with a neat sketch the working principle of pressurized water reactor and boiling water reactor.
8. Explain the various nuclear wastes of power plants & energy storage systems.
