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**B.E /B.Tech (Full Time) DEGREE EXAMINATIONS Nov /Dec 2011
Semester II**

**CY 9162 – Chemistry for Printing Technology
(Regulation 2008)**

Time: 3 Hours

Max. Mark: 100

Answer ALL Questions

Part – A (10 x 2 = 20 Mark)

1. How are fuels classified?
2. Distinguish between gross and net calorific values
3. What are non ferrous alloy? Give examples
4. What are the applications of power metallurgy?
5. State Grothus-Draper and stark Einstein's law
6. Define Chemiluminescence
7. What are the raw materials used for the preparation of the following
 - (i) Bakelite
 - (ii) Teflon
8. What are laminated plastics?
9. What is desalination?
10. What is phosphate conditioning water?

Part – B (5 X 16 = 80 Mark)

11. a(i) Discuss the ion – exchange process for water softening. Mention its advantages **8marks**
- (ii) Differentiate between scale and sludge formation in boilers. What are their disadvantages? How are scales removed? **8marks**