SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E./ B.Tech – CSE/IT/MECH/M&P/E&C/EIE/

ETCE/AERO/Bio Informatics /Bio Technology

Title of the paper: Applied Chemistry – I/ Applied Chemistry

Semester: I Max. Marks: 80

Sub.Code: ET104(2002)4ET104-5ET104-6C0004 Time: 3 Hours Date: 20-12-2008 Session: FN

PART – A

 $(10 \times 2 = 20)$

Answer All the Questions

- 1. Explain the principle of estimation of hardness of water by EDTA method.
- 2. How will you regenerate the exhausted resins in demineralization process?
- 3. Distinguish between LDPE and HDPE.
- 4. Compression moulding is not suited for thermoplastics. Why?
- 5. Distinguish between acute and chronic effects.
- 6. What do you mean by eutrophication?
- 7. What is meant by thermal spalling?
- 8. What is white cement?
- 9. Calculate the oxygen balance for NH₄NO₃.
- 10. Why is tungsten filament made by powder metallurgy technique?

PART – B

 $(5 \times 12 = 60)$

Answer All the Questions

11. (a) What are the chemical reactions involved in the conditioning of water by lime-soda process? (8)

