

B. Tech Degree VII Semester Examination, November 2006

SE 704 OCCUPATIONAL HEALTH AND HYGIENE

(Prior to 2002 Admissions)

Time : 3 Hours

Maximum Marks : 100

- I. Explain in detail about the inter relationship of work and health. How can we evaluate and control hazards? (20)
- OR**
- II. Write briefly on : (i) Industrial toxicology (ii) Early diagnosis for employment and rehabilitation. (2 x 10 = 20)
- III. What are the major hazards associated with dusts, gases, fumes, mists, vapors.... in chemical industries? (20)
- OR**
- IV. Write short notes on : (i) threshold limit value (ii) biological sampling and control measures (iii) toxic releases in polymer plants (iv) health disorders in pesticide industry. (4 x 5 = 20)
- V. Explain noise pollution in manufacturing industries. What are its control measures? (20)
- OR**
- VI. Write briefly on :
- (i) Thermal stress
 - (ii) Heat stress
 - (iii) Effects of vibration in human body
 - (iv) Measurement of noise. (4 x 5 = 20)
- VII. How do we classify work load? Explain in detail about work capacity and man. (20)
- OR**
- VIII. Explain the different types of physiological tests. Write briefly on diet and exercise for work. (20)
- IX. Discuss the different occupational diseases such as silicosis, asbestosis, chromium and manganese toxicity. Explain gas poisoning and their effects. (20)
- OR**
- X. Write notes on :
- (i) Occupational cancer
 - (ii) Medical examination of workers
 - (iii) Personnel protective devices
 - (iv) Pneumoconiosis. (4 x 5 = 20)

