

Roll No

FT - 804

B.E. VIII Semester

Examination, June 2015

Industrial Hygiene and Occupational Health

Time : Three Hours

Maximum Marks : 70

Note: Attempt five questions. Each question carry equal marks.
Internal choice have been given.

1. What is basic concept of Industrial Hygiene? Explain six canons of Industrial Hygienist? 14

OR

2. a) Define : 1 each
- i) TLV - TWA
 - ii) STEL
 - iii) REL
 - iv) PEL
 - v) LD₅₀
 - vi) LC₅₀
 - vii) Excursion limit
- b) Find out TLV of an air mixture having concentration of 600 ppm of Acetone (TLV-500 ppm), 20 ppm of Ammonia (TLV - 25 ppm) and 100 ppm of Carbon Monoxide (TLV - 50 ppm)? 7

3. Enlist various types of instruments which are used for noise measurement ? With a neat sketch of measuring system of sound level meter describe it's components? 14

OR

4. Write short notes on : 7
- a) Industrial Audiometry 7
 - b) Hearing conservation program

5. Describe various methods of air sampling and analysis. 14

OR

6. What are hazards of asbestos? Describe the method of sampling and analysis of asbestos fibre in work place. 14
- http://www.rgpvonline.com

7. Write down various engineering controls for the control of hazardous agents in work atmosphere. 14

OR

8. Explain various types of ventilation systems used in industries? Explain in detail about general dilution ventilation. 14

9. Describe in brief about various types of biohazard agents? 14

OR

10. Write short notes on : 7
- a) Biological monitoring 7
 - b) Diseases from metals
