

Roll No

[2]

FT-804 (GS)

B.E. VIII Semester

Examination, May 2018

Grading System (GS)

Industrial Hygiene and Occupational Health

Time : Three Hours

Maximum Marks : 70

- Note:* i) Attempt any five questions.
ii) All questions carry equal marks.

1. Describe basic concept of Industrial Hygiene? Also describe various environmental factors of stresses? 14
2. Describe various hazardous forms of chemicals (eg. dust) Which may be present in the work atmosphere? 14
3. Write short notes on:
 - a) Biological hazardous agents? 7
 - b) Notations in the ACGIM-TLV list. 7
4. a) Calculate daily noise dose for an employee who has been exposed for following levels of sound during a work shift of 8 Hours 5
 - i) 80 dB for 2 Hours
 - ii) 95 dB for 2 Hours
 - iii) 90 dB for 2 Hours
 - iv) 85 dB for 2 Hours

- b) Define:
 - i) Gases
 - ii) Vapors
 - iii) Fumes

5. Write short notes on:
 - a) Ergonomics 7
 - b) Risk group classification of Biological hazards? 7
6. What are the general principles of methods of control? Describe engineering and administrative controls in details. 14
7. Write short notes on:
 - a) Local Exhaust Ventilation 7
 - b) General Exhaust Ventilation 7
8. a) What are various diseases from hazardous metals? Describe lead poisoning in details. 7
 - b) Describe various routes of entry of hazardous chemicals in human body. Also describe control measures. 7
