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Register Number:

5598

Name of the Candidate:

B.Sc. DEGREE EXAMINATION, May 2015

(FIRE AND INDUSTRIAL SAFETY)

(FIRST YEAR)

(PART-III)

140: SAFETY ENGINEERING

Time: Three hours

Maximum: 100 marks

SECTION-A

(5×4=20)

Answer any FIVE questions

1. Explain good Illumination.
2. What are the safety hazards involved in Noise?
3. Explain role of 5S housekeeping in Safety.
4. Explain control of radiant heat.
5. Principles of machine guarding.
6. How noise is measured and how it can be controlled?
7. Confined space hazards and risks.
8. Work place design and its importance.

SECTION-B

(4×20=80)

Answer any FOUR questions

9. Explain in detail "Principles and ergonomics of machine guarding.
10. Discuss good housekeeping and its role in safety and productivity.
11. What is Vibration? How it is measured and discuss health hazard of vibration?
12. Short notes on:
 - a) Confined space-Hazard, risks and safety measures.
 - b) Control of radiant of Noise.
 - c) Measurement of Noise
 - d) Road safety

13. Explain in detail. Health hazard of noise, its measurement and control.
14. Discuss standards of illumination, design and importance of lighting.
15. Explain principles of work place design and its role in improving safety and productivity.
16. Discuss the purpose and importance of ventilation and heat control.
