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Register Number:

Name of the Candidate:

DIPLOMA EXAMINATION, May 2015

(INDUSTRIAL HYGIENE)

120. HEALTH AT WORK AND RISK ANALYSIS

Time: Three hours

Maximum: 100 marks

SECTION-A

(2×15=30)

**Answer any TWO questions
All questions carry equal marks**

1. Briefly explain the effects on health due to cold and heat radiation and laser beams and also to explain their control measures.
2. Explain the health effects by exposing of ammonia, halogenated gases, hydrocarbons gases and fumes like NO_x , SO_x , Cl_2 , HCl and H_2S .
3. Describe in detail about the effects on health due by various types Virus and Bacteria available at the working places.
4. Give a brief account on effects on health by mechanical hazards like Fracture, Burns, eye injury, hurt and poisoning.

SECTION-B

(5×8=40)

**Answer any FIVE questions
All questions carry equal marks**

5. Effects of vibration
6. Improper ventilation
7. Health effect of organic chemicals & solvents
8. Hazards due to fluorides, nitrides and sulphides
9. First aid principles and methods
10. How to avoid mechanical hazards
11. Describe the notifiable diseases under the factories act
12. Explain in detail about Alcohol & drugs- abuse.

SECTION-C
Answer any TEN questions
All questions carry equal marks

13. Ionizing
 14. Ergonomics
 15. Hazards metal salts
 16. Carcinogens
 17. Hepatitis-B
 18. Brucellosis
 19. Smoke
 20. Poisoning
 21. Mental health
 22. Shift work
 23. Pneumoconiosis
 24. Occupational dermatitis
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