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ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE – 2009
OCCUPATIONAL HEALTH
SEMESTER - 6



Time : 3 Hours]

[Full Marks : 70

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct answer for any *ten* of the following : 10 × 1 = 10
- i) The contribution of the employer towards the ESI is
- a) 1.75% b) 2.74%
c) 4.75% d) 4.25%.
- ii) The Chairman of the ESI Corporation is
- a) Secretary to Government of India Ministry of Labour
b) the Union Minister for Labour
c) the Union Minister for Health
d) any Registered Medical Practitioner.
- iii) The Employees State Insurance Act was promulgated in the year
- a) 1946 b) 1947
c) 1948 d) 1949.
- iv) The working hours should not exceed
- a) 7 hrs per day b) 10 hrs per day
c) 8 hrs per day d) 9hrs per day.
- v) Coal-miners' pneumoconiosis has been declared as notifiable disease in the
- a) Consumer Protection Act & Mines Act
b) Factories Act & Mines Act
c) Workmen's Compensation Act & Mines Act
d) Mines Act.



- vi) Which of the following radiations is the most harmful ?
- a) Radiation consisting of α particles
 - b) Radiation consisting of β particles
 - c) Radiation consisting of γ particles
 - d) None of these.
- vii) The disease Leptospirosis is caused by
- a) Mechanical factors
 - b) Chemical agents
 - c) Biological agents
 - d) Physical agents.
- viii) According to Indian Factories Act, the minimum work space is required for each worker is
- a) 500 Cu.ft.
 - b) 510 Cu.ft
 - c) 490 Cu.ft
 - d) 300 Cu.ft.
- ix) The main cause of Farmer's lung disease is
- a) Microbacili
 - b) Micropolyspora faeni
 - c) Micro faeni
 - d) Microspora.
- x) Which of the following does not come under occupational hazards ?
- a) Physical hazards
 - b) Medical hazards
 - c) Psychological hazards
 - d) Biological hazards.
- xi) TLV refers to
- a) Threshold Lower Value
 - b) Threshold Limit Value
 - c) Trade Limit Value
 - d) None of these.



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GROUP – B

(Short Answer Type Questions)

Write short notes on any *three* of the following



3 × 5 = 15

2. Notification.
3. Role of Hospital Infection Control Committee.
4. Heat stress and its effect.
5. Accidents in Industry.

GROUP – C

(Long Answer Type Questions)

Answer any *three* questions.

3 × 15 = 45

6. What is Ergonomics ? What do you mean by Occupational Environment ? Describe its type in detail. 2 + 5 + 8
7. What is the ESI act ? Give its major objectives. Elaborate the types of benefits that can be enjoyed under the ESI act. 2 + 3 + 10
8. What are notifiable communicable diseases ? Explain any one of them.
9. What do you mean by Sickness Absenteeism ? What is Occupational Dermatitis ? What are the different precautions that should be followed by a hospital staff ?

4 + 4 + 7 = 15

END