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CON 1411

(ENGLISH)

[TIME ALLOWED—3 HOURS]

(MARKS—100)

SAFETY, HEALTH AND ENVIRONMENTAL MANAGEMENT (THEORY-I)

- Instructions:—*(1) All questions are *compulsory*.
 (2) Illustrate your answers with neat sketches wherever necessary.
 (3) Figures to the right indicate *full* marks.
 (4) Assume suitable data if *necessary*.

Marks

1. Choose the correct word / sentence :—

20

- (i) As a friend, philosopher and guide for the purpose of safety and health of the workplace is a duty of
 (a) Supervisor (b) Worker
 (c) Trade Union (d) Safety Officer.
- (ii) Management has to fulfilled all requirement and provision under safety law as a
 (a) Statutory requirement (b) Obligatory requirement
 (c) Legal requirement (d) All of the above.
- (iii) The compensation paid to the injured person and medical expenses on his treatment is a
 (a) Direct cost (b) Indirect cost
 (c) Overhead cost (d) Employee welfare cost.
- (iv) Comprehensive safety audit is done as per
 (a) BIS 14489 (b) BIS 29990
 (c) ISO 2001 (d) ISO 2004.
- (v) Safety training for developing skill in the use of
 (a) Safe work techniques and practices (b) Reducing accidents
 (c) Statutory requirements (d) Legal requirements.
- (vi) Accident prevention is
 (a) Art (b) Science
 (c) Art and Science (d) Fundamental.
- (vii) Ratio of direct cost to indirect cost of accidents is
 (a) 1:1 (b) 1:2
 (c) 1:3 (d) 1:4
- (viii) Safety psychology to industrial field is called
 (a) Human psychology (b) Worker psychology
 (c) Industrial psychology (d) Social psychology.

[Turn over

- (ix) ILO headquarter is situated in
 (a) Chennai (b) Geneva
 (c) Kolhapur (d) None of these.
- (x) MCGREGOR's Theory state conventional view by manager about human behaviour is a
 (a) Theory 'x' (b) Theory 'y'
 (c) Theory 'xy' (d) Y-Leader.
2. Write short notes on :— 16
 (a) Duties of safety officers.
 (b) Roll of supervisor to prevent accident.
 (c) Comparison between classroom and on the job safety training.
 (d) Frank-lee Bird—accident causation theory.
3. Explain in detail (any *two*) :— 16
 (a) Draw a neat diagram of Hein rich's triangle and explain in significance in accident prevention.
 (b) Safety committee are usually not effective, do you agree ? Justify.
 (c) Misconception of safety.
4. Answer the following questions (any *two*) :— 16
 (a) Importance of compilation and dissipation of information on safety and health in industry.
 (b) Direct and Indirect cost factor of accident in industry.
 (c) What should be the qualification, role and responsibility of the safety officer in the organization ?
5. Answer the following questions (any *two*) :— 16
 (a) Explain History of Safety Management of India.
 (b) Draw a neat diagram of accident causation model of Frank-lee Bird and explain how management exercises its control for accident prevention.
 (c) " Frustration and conflict could lead to causation of accident ". How you would like to manage factors for prevention of industrial accident ?
6. Write short notes on :— 16
 (a) Comparison between classroom and on the job safety training.
 (b) Role of safety committee.
 (c) Cost of accident.
 (d) Use of audio-visual for effective training.
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