CBCS SCHEME

USN 15CV564

Fifth Semester B.E. Degree Examination, June/July 2019 Occupational Health and Safety

Time: 3 hrs. Max. Marks: 80

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- Outline the circumstances that led to development of OSHA and state the mission and purpose of OSHA.
 - b. Discuss in detail the two important responsibility of employer according to QSHA.

(07 Marks)

OR

- 2 a. Enumerate the axioms of Industrial Safety. (08 Marks)
 - b. Briefly explain the Dominos theory of accident causation. (08 Marks)

Module-2

- a. Describe the OSHA's Ergonomic Guidelines. (10 Marks)
 - b. Brief out the NSC's Recommendations for conducting a Task Analysis. (06 Marks)

OR

- 4 a. Define "Hazard". Explain the FTA with an example. (10 Marks)
 - b. Discuss the various hazard deterrence methods. (06 Marks)

Module-3

- 5 a. Classify the types of fire and enumerate the early fire detection devices used. (06 Marks)
 - b. Name different types of fire extinguishers used and explain any two with sketches. (10 Marks)

OR

- 6 a. Describe the importance of Electrical Safety. (04 Marks)
 - b. Summarize the technical requirements of Product Safety Programme. (12 Marks)

Module-4

- 7 a. Write the classification of Repeated Strain Injury and types of disorder associated with it.
 - (06 Marks)
 - Suggest the measures adopted to control the risk of occupational health. (10 Marks)

OR

- 8 a. Explain the importance of PPE's at workplace. (06 Marks)
 - briefly discuss about the EMP for safety. (10 Marks)

Module-5

a. Explain the health and safety aspects to be considered in waste water treatment plants.

(10 Marks)

Summarize the potential hazards posed for workers at construction sites. (06 Marks)

OR

- a. Discuss the occupational health hazard posed in an epoxy manufacturing unit. (06 Marks)
 - b. Comment on the Roles and Responsibilities of workers and managers in Safety programs.
 (10 Marks)

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nportant Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice