

# CBCS Scheme



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Fifth Semester B.E. Degree Examination, Dec.2017/Jan.2018

## 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

- 1 a. Define the following : i) Safety ii) Hazard iii) Accident iv) Risk. (08 Marks)  
b. Write a note on  
i) Need for accident investigation ii) Methods of acquiring accident facts. (08 Marks)

OR

- 2 a. Comment on Light – to – Know laws. (08 Marks)  
b. List the different steps to be considered in accident investigation process. (08 Marks)

### Module-2

- 3 a. What do you understand by ergonomics? Write a brief note on task analysis. (08 Marks)  
b. Discuss the hazard prevention and control. (08 Marks)

OR

- 4 a. Define Ergonomics and comment on OSHA's Ergonomics guidelines. (08 Marks)  
b. Write a brief note on Work site analysis programme for ergonomics. (08 Marks)

### Module-3

- 5 a. Define Fire hazard and discuss the sources of fire hazard. (08 Marks)  
b. Write a brief note on Electrical Safety and Product Safety. (08 Marks)

OR

- 6 a. List and explain various methods of Extinguishing fire. (08 Marks)  
b. Outline the general do's and don't's during electrical fire accident. (08 Marks)

### Module-4

- 7 a. Write a note on use of personal protective equipments for health and safety considerations. (08 Marks)  
b. Discuss ISO : 14000 standard with its requirements. (08 Marks)

OR

- 8 a. Explain various types of respiratory protective devices. (08 Marks)  
b. Write a brief note on Total Quality Management. (08 Marks)

### Module-5

- 9 a. Discuss briefly the various Safety Consideration in the construction Industry. (08 Marks)  
b. Write a brief note on Health problems in handling of chemicals in Water and waste water treatment plants. (08 Marks)

OR

- 10 a. Write a brief note on Hazard prevention and control in RMC plants. (08 Marks)  
b. Explain various health and safety consideration to be adopted in Managing Municipal Solid Waste. (08 Marks)

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Important 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.