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MEVE-004

**POST GRADUATE DIPLOMA IN
ENVIRONMENTAL AND
OCCUPATIONAL HEALTH (PGDEOH)**

Term-End Examination

December, 2022

MEVE-004 : INDUSTRIAL SECTOR

Time : 3 Hours

Maximum Marks : 100

***Note :** (i) Section **A** : Attempt any **six** out of eight questions. All questions carry equal marks.*

*(ii) Section **B** : Attempt any **seven** out of nine questions. All questions carry equal marks.*

Section—A

1. What are the two states of chromuim that are commonly found in environment ? Explain its role in tannery industry. 5

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2. Describe in brief the types of construction wastes. 5
3. Elucidate the objectives of Hazard Analyses. 5
4. Why is it important to recycle e-Waste ? Justify your answer. 5
5. List the wastes generated by personal care industry. 5
6. What are the types of air pollutants released from textile industries ? 5
7. Describe in brief the elements of control system in management. 5
8. Distinguish between oil based and water based paints. 5

Section—B

1. Describe the physical and chemical hazards associated with mining activities. 5+5
2. Explain the importance of Preliminary Hazard Analysis. List the factors that should be considered while performing Preliminary Hazard Analysis. 4+6

3. Write short notes on the following : $2\frac{1}{2}$ each
- (i) Byssinosis
 - (ii) Biopesticides
 - (iii) Accident pyramid
 - (iv) Checklist Analysis Approach
4. Why is the safety management important to ensure the health of the employees in an industry ? Describe the main elements of process safety management. 3+7
5. Describe in detail the treatment and disposal of tannery effluents. 10
6. Describe occupational and environmental health hazards associated with sugar manufacturing industry. 5+5
7. What is meant by 'span of control' ? Distinguish between narrow span and broad span of control. List the factors that influence span of control. 2+4+4
8. Explain the effect of chromium on terrestrial and aquatic ecosystems. 10
9. Describe the occupational hazards associated with paints and automobile industry. 5+5