

**Time: 2.30 Hrs**

**Marks: 60**

**Instructions: i. All Questions are compulsory**

**ii. All questions carry equal marks**

**iii. Draw neat and labeled diagrams wherever necessary**

**1. Answer any two questions from the following**

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|---|----|
| a. Define Industrial Hygiene and explain in detail scope, significance and application of Industrial Hygiene. | 06 |
| b. Give a brief note on Chemical Stresses   | 06 |
| c. Explain in detail Threshold Limit Values   | 06 |

**2. Answer any two questions from the following**

- |  |    |
|--|----|
| a. Give a brief note on Work Environment Control Measures. | 06 |
| b. Differentiate between Bagassosis and Byssiniosis.       | 06 |
| c. Explain in detail House Keeping and Maintenance.        | 06 |

**3. Answer any two questions from the following**

- |  |    |
|--|----|
| a. Explain in detail Maximum Credible Accident Analysis                            | 06 |
| b. Define Disaster Management Plan and give a brief note on On site Emergency Plan | 06 |
| c. Give a brief note on Cyclones and their mitigation measures.                    | 06 |

**4. Answer any two questions from the following**

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|---|----|
| a. Give a brief note on safety in pipelines and colour coding.  | 06 |
| b. Explain in detail Handling and Storage of Hazardous Chemicals.   | 06 |
| c. Differentiate between Respiratory personal protective equipment (RPPE) & Non respiratory personal protective equipment (NRPPE) | 06 |

**5. Answer any four questions from the following**

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|----------------------|----|
| a. STEL              | 03 |
| b. Report Writing    | 03 |
| c. Floods            | 03 |
| d. Volcanic Activity | 03 |
| e. Flammables        | 03 |
| f. PHA               | 03 |

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