

361

April 2024

Time – Three hours
(Maximum Marks: 100)

- [N.B.** 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART – A

1. Write the importance of material safety data sheet.
2. Name any three unsafe conditions.
3. Distinguish between fire and explosion.
4. Define the Flash point and Fire point.
5. What is BLEVE?
6. What is meant by runaway chemical reaction?
7. What is Hot work permit?
8. What is the function of safety valve?
9. Write short notes on Greenhouse effects.
10. What are the air pollutants?

[Turn over.....

PART – B

11. (a) Explain about the importance of safety in process industry with suitable examples.
(Or)
(b) Explain the responsibility of supervisor regarding safety in process plant.
12. (a) Discuss about the importance of fire alarms in process industry.
(Or)
(b) Explain about the working of fire extinguisher techniques.
13. (a) Explain about the Runaway chemical reaction and Static Electricity hazardous.
(Or)
(b) Explain about MSDS of Phenol and Acetone.
14. (a) Explain the preventive and protective measures in confined space vessel work permit.
(Or)
(b) Discuss about the functions of planning for emergencies in process industry.
15. (a) Explain the importance of BOD, COD, DO and TDS in waste water treatment.
(Or)
(b) Explain the effects of global warming and ozone depletion.
