

Register No.:

509

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. How to store cryogenic liquids?
2. Name any three hazardous materials.
3. List out the types of cranes.
4. What is safe load indicator?
5. Name the types of derricks.
6. Write about floating cranes.
7. What is meant by rigging?
8. List the uses of U bolts.
9. What are the types of elevators?
10. What are the requirements for powered industrial trucks?

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PART – B

11. (a) How do you prevent common injuries during manual material handling? Explain.

(Or)

- (b) What are the accessories for manual handling? Explain.

12. (a) Explain the reasons for crane accidents. Explain.

(Or)

- (b) Write short notes on (i) Job Safety analysis (7) (ii) Third party inspection (7).

13. (a) Discuss about conveyor regulations and conveyor safety.

(Or)

- (b) Write about the following:
(i) Base mounted drum hoist (ii) Overhead hoist.

14. (a) Explain about the types of slings.

(Or)

- (b) What are the factors to be considered while selecting wire rope slings? Explain.

15. (a) Explain the operating principles of industrial trucks.

(Or)

- (b) Explain about the construction and inspection of brakes.
