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S6-712

B.Sc. DEGREE EXAMINATION – AUGUST/SEPTEMBER, 2021.

THIRD YEAR

SIXTH SEMESTER

CEMENT SCIENCES

(Regular & Supplementary)

Paper – I : CEMENT GRINDING, PACKING AND LOADING FOR DISPATCH

Time : 3 Hours

Max. Marks : 75

SECTION – A

Answer any FIVE of the following questions.

(5 × 5 = 25 marks)

1. Blast furnace slag
2. Mill atmosphere
3. Sacks
4. Palletisation
5. Rotary packers
6. Weighing systems
7. Bucket elevators
8. Apron conveyors
9. Big filter
10. Wet scrubber

SECTION – B

Answer ALL the questions.

(5 × 10 = 50 marks)

11. (a) Write about materials involved in finish grinding and port-land cement clinker.

Or

Turn Over

- (b) Explain the storage of cement storage in the cement works and storage in the construction site.
12. (a) Describe the types of packing and explain inline packing machines.
- Or
- (b) Discuss about fully automation operation and sack magazine.
13. (a) Give an account on direct loading and bulk loading.
- Or
- (b) Explain the shrink wrapping and automation of dispatch procedures.
14. (a) Give in detail on Belt conveyors and steel band conveyors.
- Or
- (b) What is meant by chain conveyors? Explain the continuous flow conveyors.
15. (a) Explain the air pollution control equipment's for controlling point source emission.
- Or
- (b) Write about the solid and Hazardous waste management and explaining measures for pollution control in mines.
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