

No. of Pages : 2

No. of Questions : 15

S6-712

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

THIRD YEAR

SIXTH SEMESTER

CEMENT SCIENCES

(Regular & Supplementary)

Paper – I : SAFETY , HEALTH AND ENVIRONMENT

Time : 3 Hours

Max. Marks : 75

SECTION – A

Answer any FIVE of the following questions.

(5 × 5 = 25 marks)

1. Process of safety
2. Measure of risk
3. Dust emission standards
4. Bag house filters
5. Greenhouse gas emission
6. Flow of toxic gases
7. Method of noise suppression
8. Effect on Human health
9. Use of explosives
10. Concept of clean development mechanism

SECTION – B

Answer ALL the questions.

(5 × 10 = 50 marks)

11. (a) Write about importance of safety, type of accident and causes.

Or

Turn Over

- (b) Discuss the protective and safety devices for personal and general hygienic management in and around premises.
12. (a) Give an account on classification of particle size distribution in dust and cement kiln dust characteristics.

Or

- (b) Explain the health effects on workers exposure to dust and method of adoption to control of dust at the source.
13. (a) Give in detail about emission source of CO, CO₂, NO_x, and SO_x

Or

- (b) Describe the equipment required to control gaseous pollution and recent development.
14. (a) Discuss the noise of running machinery and mills.

Or

- (b) Describe the balancing equipment and noise barriers effect of plantation.
15. (a) Write about ecological and environmental conditions around lime stone mines.

Or

- (b) Explain the environmental impact analysis (EIA) and environmental management plan (EMP).
-