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Register Number:

7203

Name of the Candidate:

DIPLOMA EXAMINATION, 2010

(INDUSTRIAL SAFETY)

(PAPER-II)

520. SAFETY IN PROCESS PLANTS

Nov]

[Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions

(5×20=100)

Explain in detail about the use of colour coding and flow charts in process plant safety.

2. Discuss in detail about the pilot plant and machine guarding.
3. Give a detailed account of fire detection and alarm systems.
4. Differentiate confined and unconfined vapour cloud explosive(UVLE) and discuss the safety measures to be taken to prevent it.
5. What is the need for personal protective equipments in process industries and explain in detail about the selection procedure and maintenance of it.
6. Explain in detail the various non-respiratory personal protective devices.

7. Explain the consequences of major hazard accidents in process plants with some examples.
8. Explain in detail the on-site and off-site management planning during accidents.
9. Discuss in detail the types and advantages of machine maintenance.

List the types of work that require permit. Explain the clearance procedure for it.
