

AMZON/PARANA/SURAMA/SIYANA/SINHAGAD -II.

- II (CBCS): SUMMER - 2015

SUBJECT: ELECTIVE - III: PHARMACEUTICAL PLANT DESIGN & OPERATIONS

Day : Thursday
Date : 09-07-2015

Time: 10:00AM TO 1:00 P.M.
Max. Marks: 60

N.B.:

- 1) Attempt ANY THREE questions from each section.
- 2) All questions carry EQUAL marks.
- 3) Answers to both the sections should be written in the SEPARATE answer books.

SECTION - I

- Q.1 Describe regulatory requirements related to Factories Act 1948 of India and Maharashtra Factory rules, 1963.
- Q.2 Define the Role of Project Management and discuss the importance of Project Management.
- Q.3 Discuss the salient features of critical design parameters for Liquid Orals facility OR Sterile Products (Ampoules).
- Q.4 Write short notes on any TWO of the following:
- a) Route Charts for Ampoules OR Vials
 - b) List out various works station for Ampoules with activities
 - c) Solution Preparation Rooms for Ampoules

SECTION - II

- Q.5 Discuss the design, layout and operational facility for Dry Powder Vials.
- Q.6 Role of Production Planning and Control in Pharma Plant.
- Q.7 Explain with schematic drawing the steps in Water for Pharmaceutical use.
- Q.8 Ware house operation in Pharma Plants.

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