



**Pharmaceutical Production Technology-II**

**Q.P. CODE: 5143**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

**LONG ESSAY (Answer any Three)**

**3 X 10 = 30 Marks**

1. Explain the production of tablets using multistation compression machine.
2. Describe area planning and floor treatment of a plant for parenterals.
3. Explain the production of soft gelatin capsule using Rotary die process.
4. Draw the neat labeled diagram of air handling unit and explain the basic components of Heat Ventilation Air Conditioning.

**SHORT ESSAY (Answer any Nine)**

**9 X 5 = 45 Marks**

5. Describe the construction and working of fluidized bed coating equipment.
6. Explain the construction and working of Rota granulator.
7. Explain the role of engineering and maintenance department in parenteral production.
8. Explain principles and working of lyophilizer.
9. Describe the applications of freeze drying in pharma industry.
10. Explain the production process for the filling of hard gelatin capsules.
11. Describe the mixers used in disperse system production.
12. Describe the package printing for different dosage forms.
13. Describe the principle of different dust collectors.
14. Explain the principles used in the manufacture of demineralised water.

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