

M. PHARMACY (REGULAR) DEGREE EXAMINATIONS, JANUARY-2022
Second Semester
INDUSTRIAL PHARMACY
PHARMACEUTICAL PRODUCTION TECHNOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION - A**Answer any FIVE Questions.****5x5 = 25 M**

1. Write about unit operation improvements.
2. Explain application techniques of coating.
3. Enlist the requirements of parenteral production.
4. Distinguish lyophilization and spray drying.
5. Enumerate the machinery used for the production of hard gelatin capsules.
6. Describe the applications of mixers.
7. Write the principles involved in RO plant.

SECTION - B**Answer any FIVE Questions.****5x10 = 50 M**

8. Discuss granulation and pelletization equipment.
9. What are the basic technologies involved in coating. Describe any two coating equipment.
10. Discuss the area planning and environmental control in parenteral production.
11. Discuss the principles and working of various freeze dryers.
12. Explain different types of packing materials used in the production of different dosage forms.
13. Describe the principle and working of various capsule filling equipment.
14. Discuss the techniques involved in RO, DM, Ultra filtration of water management.

