

Syllabus for the Post of Pharmacist

Course contents -

1. Introduction for different dosage forms.
2. Packaging of pharmaceuticals.
3. Size reduction.
4. Mixing and homogenization.
5. Processing of tablets.
6. Processing of capsules.
7. Study of immunological products.
8. Quality control of drugs.
9. Structure of cell.
10. Elementary tissues of the body.
11. Composition of blood.
12. Nutrition & health classification of foods.
13. Dispensing pharmacy, Dispensed Medication, Semisolid dosage forms, Sterile dosage forms, Introduction for pharmacology, scope of pharmacology. Drug action on the central nervous system, Antacids, physiological role of histamine and serotonin, Drugs action on the blood and blood forming organs.
14. Disease manifestation.
15. Drug interaction :
 - (a) Definition and introduction.
 - (b) Mechanism of drug interaction.
 - (c) Drug - drug interaction with reference to analgesics.
 - (d) Drug - food interaction.
16. Adverse drug reaction :
 - (a) Definition and significance.
 - (b) Drug induced diseases and teratogenicity.
17. Drugs in clinical toxicity.
18. Drug dependence.
19. Bioavailabilities of drugs, including factors affecting it.
20. Sterilization of surgical instrument, glass ware and other hospital supplies.
21. Capsules, Tablets/Parenteral Products.
22. Packaging of pharmaceutical products.
23. Pharmacokinetics.

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24. Clinical pharmacokinetics.
25. Antiviral drug.
26. Insulin and oral hypoglycemic agents.
27. Antibiotics used in chemotherapy.
28. Brief introduction and principles of ayurveda, sidha unani, Unani, Chinese and homeopathic system of medicines.
29. Alkaloid containing drugs.
30. Introduction of controlled and extended drug delivery system.
31. Transdermal drug delivery system.
32. Sustained release formulation.
33. Basic concepts of Quality control & Quality assurance.
34. Regulatory control.
35. Drug regulatory affairs.
36. Introduction to pharmaceutical legislation.
37. An elaborate study of the following pharmacy act 1948.
38. Poisons act 1919, MTP act 1970.
39. Patents act 1970.
40. Factories act 1948.
41. Medicinal and toilet preparation act 1955.
42. Drug price control Order 1995.
43. Drug and magic remedies act 1954.
44. Drug & cosmetics act 1939.

संयुक्त सचालक (अविज्ञप्त)
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