

Final State Examination topics for Master's degree programme Pharmacy

PHARMACEUTICAL TECHNOLOGY

revision: 2022

1. *Tablets*, definition, classification, characteristics, production, excipients, evaluation.
2. *Coated tablets*, definition, classification, characteristics, coating technology, excipients, evaluation.
3. *Powders and granules*, definition, classification, granulation techniques, preparation of divided and non-divided powders, excipients, evaluation.
4. *Capsules*, definition, classification, characteristics, production, excipients, evaluation.
5. *Oral dosage forms with controlled drug release* classification, characteristics, production, excipients, evaluation.
6. *Pharmaceutical solutions*, definition, classification, preparation, excipients, evaluation.
7. *Parenteral preparations*, definition, classification, requirements, preparation, excipients and packaging, evaluation.
8. *Emulsions*, definition, classification, characteristics, methods of preparation, excipients, evaluation.
9. *Suspensions*, definition, classification, characteristics, preparation, excipients, evaluation.
10. *Gels*, definition, classification, characteristics, preparation, excipients, evaluation.
11. *Ointments*, definition, classification, characteristics, preparation, ointment bases and other excipients, evaluation.
12. *Creams*, definition, classification, characteristics, preparation, cream bases and other excipients, evaluation.
13. *Transdermal preparations*, definition, classification, characteristics of transdermal patches, types, excipients, evaluation.
14. *Aerodispersions*, definition, classification, inhalations characteristics, excipients, evaluation.
15. *Rectal preparations*, definition, classification, bioavailability, suppositories: characteristics, suppository bases, other excipients, preparation, evaluation.
16. *Vaginal preparations*, definition, classification, characteristics, excipients, preparation, evaluation.
17. *Eye preparations*, definition, classification, requirements, bioavailability, excipients, preparation, evaluation.
18. *Nose and ear preparations*, definition, classification, characteristics, excipients, preparation, evaluation.