Pharmaceutics-I

Unit test-1

1. Enumerate scope of pharmacy and discuss any one in detail.
2. Give introduction to pharmacopoeia and describe IP.
3. Write a short note on BP.
4. Write a short note on USP.
5. History of Pharmacy education and industry in India.

Unit test-2

1. What is Dosage form? Explain need of the dosage forms and give steps involved in dosage form design.
2. Give detailed classification and applications of dosage forms.
3. Discuss briefly the classification of dosage form based on their physical state.
4. Enlist the different types of systemic route of drug administration.
5. Classify the dosage forms according to the route of administration.

Unit test-3

1. Discuss the factor affecting the fixation of dose of the drugs.
2. What is Posology? Write various methods for dose calculations.
3. Define Posology. What do you understand by therapeutic dose and toxic dose?
4. Explain the following phenomenon with suitable example.
    I. Antagonism
    II. Addiction
    III. Hypersensitivity

5. Write the formula for calculating the child dose on basis of surface area. And discuss the factor affecting the dose.

Unit test-4

1. What are various parts of Prescription? Enlist them and give the significance of putting date on the Prescription.
2. Define Prescription. Discuss several steps involved in the dispensing procedure.
3. Describe pricing, filling and delivering prescription to the patient.
4. What are the precautions to be taken by a pharmacist to avoid possibilities of errors while dispensing Prescription?
5. Describe the general procedure for handling of Prescription.

Unit test-5

1. Write short note on Dusting Powder.
2. Write the short note on Effervescent Powder.
3. Describe a method to determine Displacement value of a drug for Moulded dosage form.
4. Discuss dispensing technique for Hygroscopic and Deliquescent Powders and powder containing potent drug.
5. Classify Powders. Briefly explain steps involved in its preparation.

Unit test-6

1. Define solubility. Enlist solubility enhancement technique and describe any three.
2. Discuss containers and closure for various liquid dosage forms.
3. Describe labeling requirements for liquid dosage forms.

4. Differentiate between following:
    I. Liniment and lotion
    II. Mouthwash and Gargle
    III. Syrup I.P. and Syrup USP
5. What are elixirs? How are they prepared?

Unit test-7

1. Classify biphasic liquid dosage forms. Give ideal properties of any one biphasic liquid dosage form.
2. What is cracking and creaming of emulsion? How it can be prevented?
3. Define emulsion. Enumerate different types of emulsion.
4. Compare and contrast flocculated and deflocculated suspensions.
5. Explain HLB method of emulsion formulation.

Unit test-8

1. What is displacement value? Give its importance in the moderate dosage forms.
2. Classify the suppository base and state ideal properties of suppository bases.
3. Discuss packaging and storage of suppositories.
4. Write a note on formulation of different types of suppositories.
5. Write advantages and disadvantages of cocoa butter as suppository base.

Unit test-8

1. Differentiate between ointments, creams and pastes and discuss types with evaluation example.
2. What are semisolid dosage forms? Give their properties, advantages and disadvantages.
3. Write method for filling of extemporaneously prepared ointment in collapsible tubes.
4. Give a brief account on ointment bases with their ideal properties.
5. Write a short note on jellies.

Unit test-9

1. Discuss in brief various systems of weights and measures.
2. How many millimeters of 50% w/v dextrose solution and how many ml of 5% w/v solution are required to prepare 4500ml of a 10% w/v solution?
3. In what proportion should 50% and 90% alcohol mixed so as to make 60% alcohol?
4. Describe about the various measurement system in detail.
5. Explain proof spirit.

Unit test-10

1. Describe the various types of incompatibilities. Explain therapeutic incompatibility with drug-drug and drug-food interactions.
2. How will you categorize incompatibilities? Give suitable examples.
3. Discuss alkaloidal incompatibility in detail with at least two examples and suggest remedies to overcome them.

4. Discuss with examples various types of incompatibilities with examples.
5. Define incompatibility. Classify it. Explain the therapeutic incompatibility with examples.