

Duration: 3 hours

Total marks: 75

Q. 1 Choose the appropriate option for following multiple choice based questions. 20

- 1 The information of dosage form and number of doses is contained in____
 - a. Description
 - b. Inscription
 - c. Prescription
 - d. Subscription
- 2 Signa in a prescription denotes:
 - a. Directions for the patient
 - b. Instruction to the pharmacist
 - c. Signature of the doctor
 - d. Recipe
- 3 Intravenous, intramuscular and subcutaneous are examples of _____ route of drug administration
 - a. Otic
 - b. Ocular
 - c. Pulmonary
 - d. Parenteral
- 4 _____ is the condition when a patient continues to be under psychic and physical dependence on drugs
 - a. Tolerance
 - b. Addiction
 - c. Idiosyncrasy
 - d. Hypersensitivity
- 5 _____ is known as the father of pharmacy education in India.
 - a. Prof. Mahadeva Lal Schroff
 - b. P.C.Ray
 - c. Col. R.N.Chopra
 - d. Dr. B.N. Ghosh
- 6 _____ explains the movement and fate of drugs, and factors affecting the absorption, distribution, metabolism, and excretion of drugs.
 - a. Pharmacokinetics
 - b. Pharmacodynamic
 - c. Pharmacotherapeutics
 - d. Pharmacognosy
- 7 1 Gallon = _____ fluid ounce
 - a. 160
 - b. 260
 - c. 360
 - d. 460

- 8 Cachets consist of a dry powder enclosed in a shell, usually prepared from a mixture of
- rice flour and water
 - gram flour and water
 - polymer
 - gelatin
- 9 Cochineal is an example of
- colouring agent
 - flavouring agent
 - cosolvent
 - diluent
- 10 Mandl's paint is also known as
- Compound iodine paint
 - Aqueous iodine solution
 - Strong iodine solution
 - Lugols solution
- 11 Syrup IP contains % w/w of sucrose.
- 66.7
 - 16.6
 - 60.5
 - 56.6
- 12 Which of the following is not used as a solvent in the oral formulation of liquid?
- Ethanol
 - Ethylene glycol
 - Propylene glycol
 - Glycerin
- 13 Quantity of drug which displaces ____ parts of base is known as displacement value
- One
 - Half
 - Two
 - Ten
- 14 Vaginal suppositories are also called ____
- Simple suppositories
 - Bougies
 - Cachets
 - Pessaries
- 15 There are _____ types of pharmaceutical incompatibilities.
- One
 - Two
 - Three
 - Four

- 16 Liquefaction is a type of ____
- Physical incompatibility
 - Chemical incompatibility
 - Therapeutic incompatibility
 - Chemical & Therapeutic incompatibility
- 17 In preparation of vanishing creams, which types of bases are generally used?
- Absorption bases
 - Water removable bases
 - Hydrocarbon bases
 - Oily bases
- 18 Gels are usually clear, transparent semisolid preparations containing
- petrolatum bases
 - emulsifiers
 - polymers
 - flocculating agents
- 19 Borax creams are generally made by the interaction of
- sodium borate and free acids in wool fat
 - boric acid and free acids in wool fat
 - boric acid and free acids in beeswax
 - sodium borate and free acids in beeswax
- 20 PEG ointment are _____ base
- oily
 - water soluble
 - absorption
 - emulsifying

Q. 2 Answer any seven out of nine questions.

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- Define prescription. Discuss in detail different parts of the prescription.
- Explain the various job opportunities accessible in the field of pharmacy.
- Find the concentration of dextrose required to make a 0.12% solution of sodium chloride iso-osmotic with blood plasma. (Molecular weight of dextrose is 180 and it is non-ionising; the molecular weight of Sodium chloride is 58.5, and it dissociates into 2 ions)
- What are tablet triturates? Give their method of preparation.
- Define monophasic liquids. What are the advantages, and disadvantages of liquid dosage forms?
- Define emulsifying agents. Elaborate on the different types of emulsifying agents.
- Differentiate between Gargle and Mouthwash.
- Enlist evaluation tests for suppositories and explain any two evaluation tests in detail.

- ix Explain in brief with suitable examples various types of pharmaceutical incompatibilities.

Q. 3 Answer any two out of three questions

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- i Enlist various additives used in the formulation of liquid dosage forms. Explain in brief vehicles used in liquid dosage forms.
- ii Define Emulsion. Give identification tests for the determination of types of Emulsion
- iii Describe the different physicochemical factors considered while selecting a semisolid base. Comment briefly on different methods used for preparation of ointment.
