

Duration: 3 hours

Total marks: 75

N.B. : 1. All questions are compulsory

2. Figures to right indicate full marks

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

- 1 _____ 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
- 2 When two or more drugs are used in combination, their action increases. This phenomenon is known as
 - a. Additive effect
 - b. Antagonism
 - c. Synergism
 - d. Accumulation
- 3 The sequence of faster absorption from different routes of administration is _____
 - a. Parenteral>topical>oral
 - b. Topical>oral>parenteral
 - c. Parenteral>oral>topical
 - d. Oral>topical>parenteral
- 4 The information of dosage form and number of doses is contained in _____
 - a. Description
 - b. Inscription
 - c. Prescription
 - d. Subscription
- 5 _____ 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
- 6 Meaning of Rx is _____
 - a. You take
 - b. Do not take
 - c. To be given
 - d. Never take
- 7 1 Gallon = _____ fluid ounce
 - a. 160
 - b. 260
 - c. 360
 - d. 460
- 8 _____ means the amount in weight of API or excipient in 100 g of formulation
 - a. % w/w
 - b. % w/v
 - c. % v/v
 - d. ppm

- 9 One of the approaches used to enhance the solubility of a drug are
- Addition of flavor
 - Addition of preservatives
 - Addition of pH modifiers
 - Fermentation
- 10 The direction "Shake well before use" is given for
- Powder
 - Suspension
 - Syrup
 - Elixir
- 11 Which of the following is not used as a solvent in the oral formulation of liquid?
- Ethanol
 - Ethylene glycol
 - Propylene glycol
 - Glycerin
- 12 Role of emulsifying agent is
- Reduce the interfacial tension between immiscible phases
 - Decrease surface area in emulsion
 - Improves medication taste
 - Increase the size of globules
- 13 Polymorphism is one of the serious disadvantage of following suppository base
- Glycero gelatin
 - Cocoa butter
 - Macrogol
 - Synthetic fat
- 14 The number of parts by weight of medicament that displaces one part by weight of base is
- Displacement value
 - Acid value
 - Peroxide value
 - Saponification value
- 15 Incompatibilities encountered in eutectic mixture is
- precipitation
 - Complexation
 - Immiscibility
 - Liquefaction
- 16 Double decomposition is an example of ____ incompatibility
- Chemical
 - Physical
 - Biological
 - Therapeutic
- 17 Following types of ointment bases are easily removed from hairs
- Hydrocarbon
 - Absorption
 - Water miscible
 - Water soluble
- 18 Iodine ointments are prepared by
- Chemical reaction
 - Trituration
 - Fusion
 - Levigation

- 19 Carbomer is an example of
- Sweetener
 - Colourant
 - Preservative
 - Gelling agent
- 20 Paste differ from ointment in containing large amount of
- Diluents
 - Sweeteners
 - Finely powdered solids
 - Preservatives

Q. 2 Answer any two out of three questions.

20

- Define powders and discuss in detail powders for internal use.
- Define and classify Emulsion. Give identification tests for the determination of types of Emulsion.
- Classify with example and explain different types of ointment bases

Q. 3 Answer any seven out of nine questions

35

- Define dosage forms and classify the various dosage forms with examples.
- Enlist factors affecting Posology.
25mg of a drug can be given to an adult. What will be the dose of the drug for a girl of 16 years?
- Define monophasic liquids. What are the advantages, and disadvantages of liquid dosage forms?
- Calculate the volume of 95 percent alcohol required to prepare 600 ml of 70 percent alcohol.
- Define Elixir, Liniments, Lotions, Throat paints, and Gargles with examples.
- Explain in detail the formulation components of Suspensions.
- Write a note on evaluation of suppositories.
- Enlist different types of incompatibilities and explain insolubility in detail with suitable examples
- Differentiate between ointments-paste and creams-gels
