

Duration: 3 hours

Total marks: 75

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

- 1 Meaning of Rx is _____
 - a. You take
 - b. Do not take
 - c. To be given
 - d. Never take
- 2 The order of dissolution of solid is
 - a. Powder>granules>tablets>capsules
 - b. Powder>granules>capsules>tablets
 - c. Capsules>granules>powders>tablets
 - d. Tablets>capsules>granules>powders
- 3 Intravenous, intramuscular and subcutaneous are examples of which route of administration
 - a. Otic
 - b. Ocular
 - c. Pulmonary
 - d. Parenteral
- 4 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
- 5 The B.Pharm course was first started in India in 1937 at
 - a. Madras Medical College
 - b. Banaras Hindu University
 - c. Punjab University
 - d. Bombay University
- 6 _____ is the condition when an unusually large dose is required to produce an effect that has been produced by a normal dose.
 - a. Idiosyncrasy
 - b. Tolerance
 - c. Habituation
 - d. Potentiation
- 7 _____ means the amount in weight of API or excipient in 100gm of formulation
 - a. % w/w
 - b. % w/v
 - c. % v/v
 - d. ppm
- 8 Which of the following is not an example of humectant
 - a. Glycerine
 - b. Chloroform
 - c. Propylene glycol
 - d. Sorbitol solution

- 9 Which powders are meant for oral use _____
a.ORS
b.Talcum powder
c.Snuffs
d. Dusting powder
- 10 Solutions are dosage forms.
a. Monophasic
b. Biphasic
c. Triphasic
d. Solid
- 11 Example of a low-calorie sweetening agent used as an additive in the liquid dosage form is
a. Sucrose
b. Fructose
c. Dextrose
d. Aspartame
- 12 In liquid dosage forms, which of the following dosage form is used for oral administration?
a. Elixir
b. Liniment
c. Lotion
d. Enema
- 13 Which form of cocoa butter is considered stable for suppositories?
a. alpha
b. beta
c. gamma
d. delta
- 14 _____ Suppositories require suitable lubricant for moulds
a. Synthetic hydrogenated fats
b. Macrogol
c. Cocoa Butter
d. Witepsol
- 15 Double decomposition is an example of..... incompatibility.
a. Chemical
b. Physical
c. Biological
d. Therapeutic
- 16 Incompatibility occurs due to the mixing of
a. Homogenous substances
b. Agonist substances
c. Antagonistic substances
d. Compatible substances
- 17 _____ is a type of hydrocarbon base
a. Petrolatum
b. Lanolin
c. Macrogols
d. Polyethylene glycol

- 18 _____ is the method of ointment preparation where a mixture of high and low melting point waxes are used.
- a. Levigation
 - b. Fusion
 - c. Mixing
 - d. Chemical
- 19 Majority of drugs are absorbed from skin by _____
- a. Active transport
 - b. Receptor
 - c. Passive diffusion
 - d. Trans appendageal route
- 20 Pastes have mainly _____ function
- a. Protective
 - b. Emollient
 - c. Occlusive
 - d. Dispersive

Q.2 Answer any seven out of nine questions.

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- i Discuss the different career options available in the Pharmacy profession.
- ii Define dosage forms and classify the various dosage forms with examples
- iii
 - a. Describe any 3 factors affecting Posology?
 - b. 25mg of a drug can be given to an adult. What will be the dose of the drug for a child of 4 years?
- iv 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)
- v Write a note on bulk powders for external use.
- vi Define syrup. Explain the method of preparation of syrup.
- vii Give the ideal properties of the suspension. State the advantages and disadvantages of the suspensions.
- viii Classify different types of suppository bases. Explain cocoa butter in detail.
- ix Write a short note on pharmaceutical incompatibility.

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 preservatives used in liquid dosage forms.
- ii
 - a. Define suspension. Differentiate flocculated and deflocculated suspension.
 - b. Differentiate between Liniment and Lotion
- iii Classify ointment bases and explain them in detail.
