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W-17



BP 103
T Pharmaceuticals - I
(711103)



Time : Three Hours

Max. Marks 75

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Draw neat and well labelled diagram wherever necessary.
6. Figures to the right indicates full marks.

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- 1) Who is the father of medicine -----
a) Ibers
b) Hippocrates
c) Galen
d) Dioscorides
- 2) The first edition of I.P. was published in -----
a) 1965
b) 1996
c) 1955
d) 1985
- 3) Powders used externally are also known as -----
a) Dusting powder
b) Bulk powder
c) Divided powder
d) Effervescent powder
- 4) Enemas are administered -----
a) Orally
b) Parenterally
c) Topically
d) Rectally
- 5) Which of the following enzyme is present in acacia
a) Ligase
b) Peroxidase
c) Amylase
d) Glutamase
- 6) A drug is an agent intended for use in -----
a) Diagnosis
b) Treatment
c) Prevention
d) All of these
- 7) Young's formula for calculation of dose is -----
a) Child dose = $\frac{\text{Age (years)}}{\text{Age} + 12}$ x Adult dose
b) Child dose = $\frac{\text{Age (years)}}{24}$ x Adult dose

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c) Child dose = $\frac{\text{Age (Months)}}{150} \times \text{Adult dose}$

d) Child dose = $\frac{\text{weight (pounds)}}{150} \times \text{Adult dose}$

8) Swelling or bursting of cell leading to hemolysis is caused by ----- solution.

- a) Hypertonic b) Isotonic
c) Hypotonic d) Non-tonic

9) Which of the following function is performed by excipient in liquid dosage form?

- a) Improve patients acceptance
b) Protection
c) Stability
d) All of these

10) Suspending agents are also known as -----

- a) Humectants b) Thickening agent
c) Osmotic agents d) Preservatives.

11) cracking is -----

- a) Separation of phases as distinct layer
b) Separation of globules of top of emulsion
c) Change in type of emulsion.
d) None of these

12) Cocoa butter is a ----- type of base.

- a) Hydrophilic base b) Oleaginous base
c) Water dispersible base d) Emulsifying base

13) Which of the following method is used for preparation of suppository.

- a) Hand Rolling b) Compression molding
c) Fusion / pour method d) All of these

14) Incompatibility is of ----- types.

- a) One b) Two
c) Three d) Four

15) Creams are semisolid -----

- a) Emulsion b) Suspension
c) Suppositories d) Solution

16) Which of the following is not route of administration.

- a) Intravenous b) Intramuscular
c) Topical d) Dissolution

17) Elixirs are ----- type of liquids.

- a) Hydro-glycerin b) Hydro-Ethylene
c) Hydro-Alcohol d) None of these

- 18) Buffering agent is also called as -----
 a) Sweetening agent b) pH modifiers
 c) Preservatives d) Wetting agent
- 19) Suspensions are prepared by -----
 a) Doy gum method b) Wet gum method
 c) Bottle method d) None of these
- 20) Subscription contains the -----
 a) Direction to patient b) Direction to pharmacist
 c) Direction to doctor d) None of these



2. Long Answer Question Attempt **any two**.

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- 1) Define prescription. Explain in detail parts of prescription. Add a note on prescription handling.
- 2) Define Emulsion. Explain in detail methods of preparation of emulsion. Add a note on tests for determining type of emulsion.
- 3) Define ointment. Explain in detail methods of preparing ointment. Add a note on ointment bases.

3. Short answer questions Attempt **any seven**.

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- 1) Discuss career opportunities in pharmacy.
- 2) Define dosage form. Give a detailed classification of dosage form.
- 3) Define posology. Explain the factors affecting posology.
- 4) Define syrup. Explain in detail method of preparation of syrup.
- 5) Write a note on physical incompatibility.
- 6) Write a note on factors affecting dermal penetration of drugs.
- 7) Write a note on evaluation parameters of suppositories.
- 8) Write a note on excipients used in formulation of liquid dosage forms.
- 9) Define and classify suspension. Differentiate between flocculated and deflocculated suspension.
