

BP-103T

Roll No.

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ODD SEMESTER EXAMINATION, 2022-23

COURSE NAME:- B.PHARM

SEMESTER- IST

SUBJECT:- PHARMACEUTICS –I

TIME: 3 HOURS

MAX MARKS:75

NOTE: Attempt all parts. (1*20=20) **PART A**

1.Compoistion of moisture hard gelatin capsule shell

A.2%

B.15%

C.60%

D.98%

2. The zeta potential adjusted by

A. Solvent

B. Aerosil

C. Electrolytes

D. Lubricants

3.....is involved in creaming

A.Osmotic Pressure

B.Jettling

C.Stokes law

D.Rettingers law

4.As per USP Nomenclature guideline lotion is

A.Suspension

B.Cream

C.Solution

D.Emulsion

5.Witepsol is

A. An Ointment base

B. Suppository base

C.A base for paste

D.A gelling agent

6.FIP Stands for

A. International Pharmacy Federation

B. Federation of Indian Pharmacy

C.Indian Pharmacy Federation

D.None

7.First Chemist shop in 1811 is established by

A. P.C Ray

B. T.K.Gujar

C. Hafkine

D. Bthgate

8.Benzoic acid is an example of.

A. Flavouring agent

B. Preservative

C. Colouring agent

D. Sweetening agent

9.Reasion behind Crystallization of sucrose

A. Low concentration

B. Unsaturation

C. Saturation

D. Drying

10. Quote specific gravity of syrup

A.1.80

B. 1.50

C.1.30

D.3.10

11.Cetrimide is insoluble in

A. Water

B. Warm water

C. Ether

D.None of these

12.The “Pharmacy Act” came in force in....

A.1947

B.1948

C.1949

D.1950

13.The first National formulary was published in.....

A. 1860

B. 1885

C. 1888

D. 1090

14.Suspending agent imparts

A.Solubility

B.Viscosity

C.Absorption

D.Wetting

15. Disodium EDTA is an example of....

- A. Sweetening agent
- B. Flavoring agent
- C. Chelating agent
- D. Preservative

16. In a day of mythology, the symbol RX was considered as a prayer to.....

- A. Jupiter
- B. Jesus
- C. Neptune
- D. Dhanvantari

17. Supplement of the second edition was added in.....

- A. 1960
- B. 1975
- C. 1965
- D. 1968

18. Tell the name of first edition of I.P chairman was.....

- A. Dr. B.N. Ghosh
- B. Dr. Mukherjee
- C. Dr. Nityanand
- D. Mr. Prasana Totta

19. The action-based error can be best associated with

- A. Slips
- B. Lapse
- C. Exhaustion
- D. Application

20.do not form stable creams

A. Water

B. Unsaturated Alcohols

C. Castor Oil

D. Liquid Paraffin

PART B

(QUESTION No. 21 TO 23 ATTEMPT ANY 2)(2x10=20)

21. Write an exhaustive note on Historical background and development of profession of pharmacy?
22. Define Suppositories. Enumerate its types and classify the type of suppository bases with example.
23. State the various reasons for the cracking of emulsion. Write the test for identification of type of emulsion.

PART C

(QUESTION NO. 24 TO 32 ATTEMPT ANY 7)

(7x5=35)

24. Illustrate the solubility enhancement technique of liquid preparation.
25. Classify ointments according to their therapeutic properties based on penetration.
26. Give reasons for the followings:
 - a) Nasal drops made isotonic
 - b) Gargles are dispensed in concentrated form
 - c) Linctus should be taken in small doses without dilutions.
27. Define Cachets. Enlist type of cachets. Write packing and storage condition of cachets.
28. Write briefly about geometric dilution.
29. Calculate the real strength of 30⁰OP and 40⁰ up.
30. What does symbol R_x signify? Enlist the features of prescription.

31. Calculate the dose for a child that has a body surface of 0.64 m^2 , when the adult dose of a drug is 100mg.
32. Name various factors which help in the selection of an ideal ointment base.