



BRAINWARE UNIVERSITY

Term End Examination 2018 - 19

Programme- Bachelor of Pharmacy

Course Name - Pharmaceutics I

Course Code - BP103T

(Semester - 1)

Library
Pharmaceutical Technology
Brainware University
Barasat, Kolkata-700125

Time allotted: 3 Hours**Full Marks: 75**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group -A

(Multiple Choice Type Question)

20 x 1 = 20

1. *Choose the correct alternative from the following*
 - (i) Sucrose concentration in Syrup IP is

a. 66.67% w/w	b. 64.74% w/w
c. 85% w/v	d. none
 - (ii) Lotion is used

a. with rubbing	b. without rubbing
c. internally	d. all
 - (iii) Surgical dusting powder must be free from

a. Micro-organism	b. Fine particle
c. Living micro-organism & spores	d. none
 - (iv) Pastes are very thick and stiff because, it contains

a. Less proportion of fine powder	b. High proportion of fine powder
c. Highly viscous material	d. none
 - (v) Grittiness of the dusting powder is removed by passing the powder through a sieve of sieve no.

a. 100	b. 120
c. 80	d. 40

- (vi) 100° proof spirit contains ethanol
 a. 100% b. 57.15%
 c. 42.85% d. 11%
- (vii) 1 drop means
 a. 0.06 ml b. 1 minim
 c. Both a & b d. none
- (viii) Calamine lotion is pink in colour due to presence of
 a. zinc oxide b. ferric oxide
 c. phenol d. calcium hydroxide
- (ix) Cold cream means
 a. o/w emulsion b. w/o emulsion
 c. none d. both a & b
- (x) 1st edition of IP was published in the year of
 a. 1985 b. 1966
 c. 1955 d. 1945
- (xi) Elixirs are
 a. Aqueous solution b. Alcoholic solution
 c. Hydro-alcoholic solution d. Oily solution
- (xii) Which one of the following is used as an isotonic adjuster?
 a. dextrose b. sodium chloride
 c. none d. both a & b
- (xiii) In an emulsion complete separation of two phases is known as
 a. Creaming b. Cracking
 c. Sedimentation d. Phase inversion
- (xiv) Which of the following is not a suspending agent
 a. Gum acacia b. Tragacanth
 c. Guar gum d. soap
- (xv) HLB value of emulsifying agents used for the preparation of w/o emulsion is
 a. 3-6 b. 7-9
 c. 8-18 d. 13-15
- (xvi) Cocoa butter is used as
 a. Aqueous base b. Emulsifying base
 c. Oleaginous base d. None

- (xvii) What is the English meaning of “Hora Somni”
 a. As required
 b. Morning time
 c. Before food
 d. Bed time
- (xviii) Monophasic liquids are
 a. Colloidal solution
 b. Suspension
 c. Emulsion
 d. None
- (xix) The standard unit of capacity measurement in imperial system is
 a. Millilitre
 b. Gallon
 c. Ounce
 d. Minim
- (xx) Which one of these is anionic surfactant
 a. Sodium lauryl sulphate
 b. Span
 c. Tween
 d. None

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Group – B

(Short Answer Type Questions)

7 x5 = 35

Answer any *seven* from the following

2. Find out the amount of each of 90%, 60%, 30% and water required to produce 500 ml of 50% alcohol. 5
3. Write down the method of evaluation of suppository. 5
4. Write a note on emulsifying agent. 5
5. Describe the flocculated and deflocculated suspension. 5
6. What are the factors affecting skin penetration? 5
- 7 Write down the additives used in liquid dosage form. 5
- 8 Describe the method of preparation of syrup. 5
- 9 Write in brief on physical and chemical incompatibilities. 5
- 10 What is suppository & describe the properties of ideal suppository base. 5

Group – C

(Long Answer Type Questions)

2x 10 = 20

Answer any *two* from the following

- | | | |
|---------|--|---|
| 11. (a) | Define Prescription. | 2 |
| | (b) Discuss briefly the parts of prescription. | 8 |
| 12. (a) | Define emulsion. | 2 |
| | (b) Discuss the method of preparation of emulsion. | 8 |
| 13. (a) | Explain displacement value with its significance. | 5 |
| | (b) Write a note on effervescent granules. | 5 |

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