



**BRAINWARE UNIVERSITY**  
**Term End Examination 2018 - 19**  
**Programme– Bachelor of Pharmacy**  
**Course Name - Pharmaceutics I**  
**Course Code - BP103T**  
 (Semester – 1)

**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) 1<sup>st</sup> 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             |



**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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