



BRAINWARE UNIVERSITY

Term End Examination 2019 – 20

Programme – Diploma in Pharmacy

Course Name – Pharmaceutics I

Course Code –1.1T

(D. Pharm first year final)

Pharmaceutics I
Brainware University
Barasat, Kolkata-700125

Time allotted: 3 Hours

Full Marks: 80

[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) Dusting powders should be passed through sieve no. _____ to enhance its effectiveness

a. 85	b. 60
c. 40	d. 20
 - (ii) In metric system, 1 tea cupful is equal to

a. 30 ml	b. 60 ml
c. 90 ml	d. 120 ml
 - (iii) Amber colour mainly gives protection from-

a. Oxidation	b. Reduction
c. Hydrolysis	d. Photo-degradation
 - (iv) Which of the following is not a mixing mechanism?

a. Diffusion	b. Shear
c. Convection	d. Conduction
 - (v) The rate of filtration is _____ to the viscosity of the liquid.

a. Directly proportional	b. Inversely proportional
c. Equal	d. Not related

- (vi) Fixed oils can be extracted using
- | | |
|-----------------|----------------------------|
| a. Vacuum still | b. Molecular still |
| c. Water still | d. Fractional distillation |
- (vii) Following is not the mechanism of size reduction
- | | |
|-------------------------|----------------|
| a. Impact and attrition | b. Cutting |
| c. Bruising | d. Elutriation |
- (viii) Integrity tests are intended for following filters:
- | | |
|---------------------|-----------------|
| a. Leaf filters | b. Drum filters |
| c. Membrane filters | d. Edge filter |
- (ix) The abbreviated form of cGMP is
- | | |
|-------------------------------------------|------------------------------------------|
| a. Current Good Manufacturing Practices | b. Clear Good Manufacturing Practices |
| c. Certified Good Manufacturing Practices | d. Concrete Good Manufacturing Practices |
- (x) Chemically Veegum is
- | | |
|------------------------------|-----------------------|
| a. Magnesium silicate | b. Aluminium silicate |
| c. Magnesium aluminosilicate | d. Calcium oxide |
- (xi) An unequal distribution of colour on the surface of the tablet is called
- | | |
|-------------|-------------|
| a. Cracking | b. Chipping |
| c. Picking | d. Mottling |
- (xii) Major problem for the controlled release formulation is
- | | |
|-------------------------------|-------------------------------------------|
| a. Occurrence of dose dumping | b. To maintain therapeutic occupancy time |
| c. a and b both | d. To determine AUC |
- (xiii) The storage temperature for soft gelatin capsule shell is
- | | |
|------------|------------|
| a. 21–24°C | b. 15–18°C |
| c. 18–20°C | d. 25–27°C |
- (xiv) Which is not a type of a tablet?
- | | |
|-------------------------|-------------------------|
| a. Troches and lozenges | b. Effervescent tablets |
| c. Pessaries | d. Tablet triturates |
- (xv) 3 size of capsule will have ml capacity
- | | |
|---------|---------|
| a. 1.3 | b. 0.95 |
| c. 0.68 | d. 0.30 |

Group – C

(Long Answer Type Questions)

2 x 10 = 20

Answer any *two* from the following

12. With a neat diagram write the theory, construction and working of fluidized bed dryer. 10
 13. Briefly describe the method of wet granulation in tablet preparation. 10
 14. With a neat labeled diagram, discuss the principle, construction and working of ball mill. 10
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