

**I B. Pharmacy I Semester Regular Examinations, Jan/Feb - 2018**  
**PHARMACEUTICS-I**

Time: 3 hours

Max. Marks: 75

- Note: 1. Question Paper consists of three parts (**Part-I, Part-II & Part-III**)  
 2. Answer **ALL** Questions from **Part-I**  
 3. Answer any **TWO** Questions from **Part-II**  
 4. Answer any **SEVEN** Questions from **Part-III**

**PART - I**

1. (i) Which of the following is a type of Oral dosage form? (1M)  
 (a) Aerosol (b) Nebulizer (c) Subcutaneous administration (d) Tablet
- (ii) What do you mean by ophthalmic dosage form? (1M)  
 (a) Dosage form for the drugs administered through the ears.  
 (b) Dosage form for the drugs administered through the eyes.  
 (c) Dosage form for the drugs administered through the nose.  
 (d) Both for the eyes and the nose.
- (iii) Which of the following is a biphasic liquid dosage form? (1M)  
 (a) Syrup (b) Linctus (c) Suspension (d) Lotion
- (iv) Which of the following dosage form contains alcohol (1M)  
 (a) Elixirs (b) Syrups (c) Emulsions. (d) Ointments
- (v) The solution contains 3gr of a drug per fluid ounce. What is the % w/v of the solution. (1M)  
 (a) 0.66% (b) 0.59% (c) 10% (d) 1.0%
- (vi) The Latin term Pulvis represents (1M)  
 (a) an ointment (b) an emulsion (c) a powder (d) Suspension
- (vii) Which of the following is a reason for therapeutic incompatibility? (1M)  
 (a) Change in pH (b) Liquifactio (c) Contraindication (d) Immiscibility
- (viii) Which of the following is an example for food drug interaction? (1M)  
 (a) Caffeine, Tetracycline (b) Milk, Tetracycline  
 (c) Aspirin, Paracetamol (d) Mik, Caffeine
- (ix) Liniment having which of the following property (1M)  
 (a) Protective (b) antitussive (c) Counter irritant (d) Lubricant
- (x) Which of the following is a type of Inhalational dosage form? (1M)  
 (a) Ointment (b) Aerosol (c) Injection (d) Tablet
- (xi) What is the meaning of the Latin term post cibos? (1M)  
 (a) with meals (b) before meals (c) with milk (d) after meals
- (xii) Eutectic mixtures are coming under (1M)  
 (a) Bulk Powders (b) Dusting Powders (c) Special Powders (d) Dental Powders
- (xiii) Which of the following is multiple emulsion? (1M)  
 (a) O/W (b) O/W/O (c) W/O/W (d) Both b & C
- (xiv) Displacement value is considered in the following dosage form (1M)  
 (a) Ointments b) Gels c) Suppositories d) Emulsions

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SET - 1

- (xv) Anti pruritic means (1M)  
(a) relieves pain (b) relieves itching  
(c) relieves constipation (d) relieves inflammation
- (xvi) Nomograms are used for the determination of which of the following. (1M)  
(a) Height of the individual (b) weight of individual  
(c) Body Surface area (d) pathological state
- (xvii) Based on which of the following parameter Dosage forms are classified (1M)  
(a) Route of administration (b) Physical form (c) chemical form (d) Both a & b
- (xviii) Antitussive means (1M)  
(a) Reduces fever (b) Reduces inflammation (c) Reduces Cough (d) Reduces Flu
- (xix) Hygroscopic nature means (1M)  
(a) Removal of Moisture (b) Absorbs Moisture  
(c) Removal of iodine (d) Absorbs iodine
- (xx) The symbol  $\mathcal{R}_x$  represents the following (1M)  
(a) Inscription (b) Superscription (c) Subscription (d) Signatura

### PART -II

2. a) Define prescription and explain different parts of prescription. (5M)  
b) Write in detail about handling and errors in prescription. (5M)
3. Define and classify different types of incompatibilities. Write about chemical and therapeutic incompatibility with one example to each. (10M)
4. Write about alligation method and proof spirit. In what proportions must 70% of alcohol and 20% of alcohol required to make 30% of alcohol? (10M)

### PART -III

5. Write about preparations of mouthwashes and lotions. (5M)
6. Write short notes on BP and USP. (5M)
7. Write about different types of suppositories bases and evaluation of suppositories. (5M)
8. Write about excipients used in semi solid dosage forms. (5M)
9. Define emulsion and mention a note on emulsifying agents. (5M)
10. Define ointment and explain preparation of ointments. (5M)
11. Mention in detail about stability problems encountered by suspensions. (5M)
12. Define and classify liquid dosage forms. Write about different excipients used in liquid dosage forms. (5M)
13. Write in detail on history of profession of pharmacy in India in relation to pharmacy education. (5M)