

B. PHARMACY 1ST YEAR 1ST SEM SUPPLEMENTARY EXAM-2017

Subject: Pharmaceutics- I

Time: 3Hrs

Full marks: 100

Answer any **five** questions taking at least **TWO** from each group.

Group A

1. Define posology. Write the factors modifying the dose. What consideration do you take for dose calculation? Write the following formulas to calculate child dose from adult dose: Young's formula, Fried's formula, Cowling's formula. If adult dose of paracetamol is 600 mg t.i.d then what will be the each child dose based on Dilling's formula when the age of the child is 3 years.

$$1.5+6+3+(1.5 \times 3)+5 = 20$$

2. Define prescription. Write the different parts of a prescription in brief and give an example of a model prescription. Write a note on OTC drugs.

$$2+14+4=20$$

3. Write short notes on:

- a. Mouth wash
- b. Gargles
- c. Ear drop
- d. Syrup

$$4 \times 5 = 20$$

4. Write the advantages and disadvantages of liquid dosage form. Write the different components of an oral liquid dosage form in details with suitable example from each.

$$5+15=20$$

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GROUP - B

5. Define powder. How is powder size determined? What do you mean by ultrafine powder BPC? Describe in details about Seidlitz powder. What you mean by powder size 10/22? How should you mix powder?

$2+4+2+8+2+2 = 20$

6. Write in details about theories and mechanisms of extraction. Define percolation. Give its significances. Describe the method to pack a percolator.

$12+2+2+4 = 20$

7. Write short notes on:

$4 \times 5 = 20$

- A) Gregory's powder
- B) Repercolation
- C) Counter current extraction
- D) Liquid extracts
- E) Balsams