

[Time: - 3 Hours]

[Marks: 80]

Please check whether you have got the right question paper.

- N.B: 1. All questions are compulsory.
2. Figures to the right indicate full marks.

1. a) Classify dosage forms. 2
b) Define i) Compounding and ii) Dispensing 2
c) Write in brief about dispensing of proprietary medicines. 2
d) Calculate the dose for a 8 year old patient if the adult dose of the same drug is 250 mg. 2
e) Define emulsion. Classify emulsifying agents. 2
f) Enlist the advantages and disadvantages of powders as a dosage form. 2
g) Enumerate the advantages and disadvantages of pills. 2
h) Give anyone example of chemical incompatibility. How would you overcome the same? 2
i) Enlist the principles of pharmaceutical care. 2
j) Give any 4 examples of OTC products. 2
2. a) Enlist the various routes of administration. Explain the oral route in detail. 4
b) Highlight the container-closure and labelling directions for (any TWO). 4
 i. Emulsion ii. Suppository iii. Lozenge
c) Comment on the following prescription. 4
 Rx
 Calciferol solution - 0.15 ml
 Glycerin - 0.3 ml
 Water (q.s.) to - 5 ml
 Label: 5 ml to be taken daily
3. a) Define a prescription and explain its various parts. 4
b) Classify ointment bases. Describe any ONE base in detail. 4
 OR
 Describe in detail the disadvantages of cocoa butter as a suppository base.
- c) Discuss compounding and dispensing of effervescent granules in detail. 4
4. a) How would you formulate a suspension containing an indiffusible solid? 4
 OR
 Classify solutions. Describe in brief any TWO solutions meant for oral use
- b) Discuss the compounding and dispensing of cocoa butter suppositories. 4
c) Discuss the responsibilities of a community pharmacist. 4
5. a) Define "health" as per WHO. Discuss the areas in which a pharmacist can get involved to promote health of a community. 4

TURN OVER

- b) What is patient counselling? Give its significance. Describe in brief the steps involved in patient counselling. 4
- c) Paraphrase the code of ethics for a pharmacist in relation to his trade as laid down by the Pharmacy Council of India. 4
6. a) How many ml of 1: 5000 w/v solution of preservative benzalkonium chloride can be made from 125 ml of 0.2 % solution. 4

OR

- In what proportions should ointments containing 25% w/w sulphur, 15% w/w sulphur and 5% w/w sulphur be mixed to produce an ointment containing 20% w/w sulphur 4
- (b) Comment on the following prescription. 4

Rx

Hyoscine hydrobromide 200 µg

Lactose qs

Send 4 packets of divided powders.

Label: One powder to be taken 30 mins prior to journey

- c) i. What is a balanced diet? Give its significance 2
- Give the causative agents for the following diseases: 2
- Diphtheria
 - Typhoid
 - Scabies
 - Tetanus