

[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) Enlist routes of administration. Give the advantages of oral route. 2
 - b) Explain the various good dispensing practices. 2
 - c) Write a short note on dispensing of proprietary medicines. 2
 - d) Prepare 300ml of 60% alcohol from 95% alcohol. How many proof gallons are there in 8 gallons of 60% alcohol. 2
 - e) Discuss dilution of creams 2
 - f) Differentiate between suppository and pessaries. 2
 - g) Write a brief note on tablet triturates. 2
 - h) Define incompatibility and explain immiscibility as physical incompatibility. 2
 - i) Define Pharmaceutical care and give its principle. 2
 - j) What are OTC Medications? Give two examples. 2
2.
 - a) Classify different routes of administration of drugs. Explain various enteral routes of drug administration. 4
 - b) Give the container-closure systems and labelling instructions for
 - i. Mouthwash
 - ii. Creams
 4
 - c) Write a brief note on instabilities seen in emulsions. 4
3.
 - a) Draw an imaginary prescription and explain its various parts. 4
 - b) Enlist the various types of ointment bases. Write a note on hydrocarbon base. 4
 - c) Write a note on effervescent granules. 4
4.
 - a) Define solutions. Explain any two solutions used in the oral cavity. 4

OR

 - a) State the properties of a good suspension. Write a note on natural polysaccharides as suspending agents.
 - b) Comment of the following prescription 4

Rx
Diazepam 1 mg
Send 10 powders
Label: One to be taken every night
 - c) How will a Community Pharmacist play a positive and useful role in the public healthcare system. 4
5.
 - a) Define Health as per the WHO. Enlist the various ways to promote health in society. 4
 - b) What is Patient counselling? What is its outcome. 4
 - c) What code of ethics should a community pharmacist follow. 4

TURN OVER

6. a) How will you prepare 85g of 15% salicylic acid ointment from ointments containing 3%, 10% and 25% salicylic acid. 4

OR

- a) In what proportion will you mix Tween 80 (HLB 15) and Span 80 (HLB 4.3) to obtain 150gm of an emulgent having an HLB of 8. 4
- (b) Comment on the following prescription. 4

Rx

Arachis oil- 50ml

Chloroform water, double strength -100ml

Water to – 200ml

Make an emulsion

label: Three 5ml spoonfuls to be taken three times a day with meals

- c) i. Name the various communicable diseases .Elaborate on anyone communicable disease. 2
- ii. What is a balance diet? Give its significance 2