

[Time: - 3 Hours]

[Marks: 80]

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

- Q.1.a Explain the need for dosage forms (2)
- Q.1.b Give in general the compounding and dispensing procedure (2)
- Q.1.c Explain dispensing of proprietary medicines (2)
- Q.1.d Prepare 500ml of 20% alcohol from 95% alcohol. How many proof gallons are there in 3 gallons of 70% alcohol (2)
- Q.1.e Enlist instability of emulsions and explain any one (2)
- Q.1.f Differentiate between pastes and ointments (2)
- Q.1.g Write a short note on lozenges (2)
- Q.1.h Enlist types of incompatibilities and explain insolubility as physical incompatibility (2)
- Q.1.i Define pharmaceutical care and give its major functions (2)
- Q.1.j "OTC medications are safe but not risk free" Explain the statement (2)
- Q.2.a Enlist the various routes of administration. Explain the oral route in detail. (4)
- Q.2.b Highlight the container-closure and labelling directions for (any TWO)
i) Pastilles ii) Suppository iii) ointment (4)
- Q.2.c Classify emulsifying agents and explain polysaccharides as emulsifying agents (4)
- Q.3.a Highlight on different types of prescriptions (4)
- Q.3.b. Describe in detail any two methods of preparation of suppository (4)
- OR**
- Write a short note on pastes
- Q.3.c Classify powders and explain powders for external use (4)
- Q.4.a How would you formulate a suspension containing an indiffusible solid (4)
- OR**
- Classify solutions. Describe in brief any TWO solutions for oral use
- Q.4.b Comment on the following prescription (4)
- Rx
Arachis Oil 20ml
Double strength chloroform water 100ml
Water qs to 200ml
Make an emulsion – Send 50ml
Label: Three 5ml spoonful to be taken three times a day with meals
- Q.4.c Elaborate on the role of community pharmacist in public healthcare system (4)

- Q.5.a Define Health promotion and discuss methods for health promotion in society (4)
- Q.5.b How does patient counselling impact therapeutic compliance (4)
- Q.5.c Write a note on the code of ethics followed by a community pharmacist (4)
- Q.6.a How would you prepare 75 g of 10% w/w salicylic acid ointment from ointments containing 5%, 12% and 20 % w/w salicylic acid (4)
- OR**
- How much (ml) of a 17%w/v concentration of Benzalkonium chloride should be used in preparing 300ml of stock solution such that 15ml diluted to 1 L will yield 1:5000 solution
- Q.6.b Comment on the following prescription (4)
- Rx
Chlorpodiaoxide100µg
Lactose qs120mg
Send 6 capsules
Label: one to be taken with draught of water
- Q.6.c i. Give the causative agent and prevention of Hepatitis and AIDS (2)
ii. Explain balanced diet with its significance (2)
