Seat No.: _____ **Enrolment No._____**

GUJARAT TECHNOLOGICAL UNIVERSITY

B.Ph SEM-IV Examination-Nov/Dec.-2011

Subject code: 240001 **Date: 21/11/2011**
Subject Name: Dispensing Pharmacy-I
Time: 02.30 am-05.30 pm **Total marks: 80**

Instructions:
1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1 (a) Comment on the following. **06**
1. Alcohol (60% v/v) is used to prepare tablet triturates.
2. Liniments are applied with friction.
3. Glycerin is used as a vehicle for throat paints.

(b) Enumerate scope of pharmacy and explain any one in detail. **05**

(c) Define prescription and discuss the parts of prescription. **05**

Q.2 (a) How much quantity of 80%, 70% 40% and 30% ointment should be mixed to obtain 700 gm ointment containing 50 % strength? **06**

(b) Role of pharmacist in patient counseling. **05**

(c) Give the formulas to calculate the dose for child. **05**

Q.3 (a) An adult dose of a drug is 160 mg. How much of it can be administered to a child weighing 8 lbs? **06**

(b) Write a note on inventory control. **05**

(c) Describe dispensing procedure for proprietary medicines. **05**

Q.4 (a) Classify ointment bases. Discuss properties of absorption bases in brief. **06**

(b) What is primary emulsion? How is it prepared? **05**

(c) Classify the powders. List the properties of dusting powder. **05**

Q.5 (a) Define posology and write in brief factors affecting the fixation of dose of drug. **06**

(b) Explain sources of information for the pharmacist for dispensing. **05**

(c) Differentiate diffusible and indiffusible mixtures. **05**

Q. 6	(a)	Calculate the amount of 70%, 60%, 40%, and 30% alcohol that should be mixed to get 120 ml of 50 % alcohol.	**06**
	(b)	Differentiate: liniments and lotions.	**05**
	(c)	Define: enema, inhalation, elixirs, insuflations, cream	**05**
Q.7	(a)	Comment on the following. 1. 'Shake well before use' is a labeling requirement for biphasic liquid formulations. 2. Syrup IP is self-preservative. 3. Soap emulsions are used internally.	**06**
	(b)	Write a note on household measures.	**05**
	(c)	Describe a method to determine displacement values of a drug for moulded dosage form.	**05**

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