

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – III • EXAMINATION – WINTER • 2014

Subject Code: 2230001

Date: 18-12-2014

Subject Name: Dispensing Pharmacy-I and Drug Store Management

Time: 10:30 am - 01:30 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) Define prescription and discuss the parts of prescription.	06
	(b) Role of pharmacist in patient counseling.	05
	(c) Discuss general dispensing procedure.	05
Q.2	(a) Give the labelling requirements of Emulsion, Eye drop, Liniment	06
	(b) Define: Posology, Enema, Inhalation, Suspension, Gargles	05
	(c) Discuss factors affecting dose calculations	05
Q.3	(a) An ampoule contains 4 mg drug/ml. What volume of solution is required to prepare 1 L of solution that contains 2 µg/ml.	06
	(b) Differentiate: lotion and liniment.	05
	(c) Translate the following terms into English: Jentaculum, Cochleare amplum, Guttae, S.O.S., Omnihora.	05
Q.4	(a) What quantity of 20 % v/v, 70 % v/v, 90% v/v of alcohol and water shall be mixed to get 700 ml of 55% v/v of alcohol?	06
	(b) Describe various household measures with their Imperial and Metric Equivalents.	05
	(c) Calculate the amount of NaCl required to make 100 ml of an 2.5 % w/v antibiotic solution isotonic with blood plasma. Freezing point depression of (i) 1 %w/v antibiotic solution is - 0.132, (ii) 1 %w/v NaCl solution is - 0.58 and (iii) blood plasma is - 0.52.	05
Q.5	(a) Explain various tests for the determination of emulsion type.	06
	(b) Differentiate flocculated and non flocculated suspension.	05
	(c) Write a note on instability of Dispersion system.	05
Q. 6	(a) Enlist oral unit dosage form and explain any one in detail.	06
	(b) Write a note on effervescent Powders.	05
	(c) Explain in detail about displacement value for moulded solid dosage forms.	05
Q. 7	(a) Discuss organization and structure of whole sale drug store.	06
	(b) Discuss storage conditions for various pharmaceutical formulations.	05
	(c) Explain in detail about inventory control.	05
