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# GUJARAT TECHNOLOGICAL UNIVERSITY B.Ph SEM-IV Examination-Nov/Dec.-2011 

Subject code: 240001<br>Subject Name: Dispensing Pharmacy-I<br>Time: 02.30 am- $\mathbf{0 5 . 3 0} \mathbf{~ p m}$

Date: 21/11/2011
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.
4. Alcohol $(60 \% \mathrm{v} / \mathrm{v})$ is used to prepare tablet triturates.
5. Liniments are applied with friction.
6. 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 06 mixed to obtain 700 gm ointment containing $50 \%$ strength?
(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?
(b) Write a note on inventory control. 05
(c) Describe dispensing procedure for proprietary medicines. 05
Q. 4 (a) $\begin{aligned} & \text { Classify ointment bases. Discuss properties of absorption bases in } \\ & \text { brief. }\end{aligned}$
(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 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.(b) Differentiate: liniments and lotions. 05
(c) Define: enema, inhalation, elixirs, insuflations, cream 05
Q. 7 (a) Comment on the following. 06

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.
(b) Write a note on household measures. 05
(c) Describe a method to determine displacement values of a drug for 05
moulded dosage form.
