

GUJARAT TECHNOLOGICAL UNIVERSITY**B.Pharm – SEMESTER-IV – EXAMINATION – SUMMER-2016****Subject Code: 240001****Date: 23/05/2016****Subject Name: Dispensing Pharmacy - I****Time: 10:30 AM to 1:30 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**
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|-----|--|-----------|
| (a) | Enumerate scope of pharmacy and discuss any one in detail. | 06 |
| (b) | Discuss different parts of prescription. | 05 |
| (c) | Describe the general procedure for handling of prescription. | 05 |
- Q.2**
- | | | |
|-----|---|-----------|
| (a) | Give labeling requirements for following dosage forms.
i) Emulsion ii) Liniment iii) Enema iv) Lozenges. | 06 |
| (b) | Discuss packaging of dispensed products. | 05 |
| (c) | Supply 8 OZ of 4 % solution and label the direction for preparing a 1 quart of 1 in 2000 solution. | 05 |
- Q.3**
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|-----|---|-----------|
| (a) | Discuss factors affecting the fixation of dose of drug. | 06 |
| (b) | Adult dose of drug is 150 mg. Calculate the dose for 6 years old child using Young's and Dilling's formula. | 05 |
| (c) | Discuss storage of dispensed products. | 05 |
- Q.4**
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|-----|--|-----------|
| (a) | How much amount of 90 %, 60%, 30 % V/V and water will be required to prepare 720 litres of 40 % V/V alcohol? | 06 |
| (b) | Differentiate between diffusible and indiffusible mixtures. | 05 |
| (c) | Write advantages and disadvantages of mixtures. | 05 |
- Q.5**
- | | | |
|-----|--|-----------|
| (a) | Dispense the following prescription.
Create prepare -----grXXX
Tincture catechu-----m XX
Aquam Cinnamoni-----OZi
Fiat mistura. Signa; secundis horis sumenda. Mitte doses sex. | 06 |
| (b) | Write a short note on syrup. | 05 |
| (c) | Convert 90 % V/V and 40 % V/V alcohol into proof strength. | 05 |
- Q.6**
- | | | |
|-----|---|-----------|
| (a) | Describe identification tests to identify types of emulsion. | 06 |
| (b) | Write short note on emulgents. | 05 |
| (c) | What is cracking of an emulsion? Discuss factors causing cracking of an emulsion. | 05 |
- Q.7**
- | | | |
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| (a) | Write short note on dusting powder. | 06 |
| (b) | Write short note on effervescent granules. | 05 |
| (c) | Write short note on inhalation. | 05 |
