

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
Diploma Pharmacy (Second Year) Examination – May/June- 2011
Subject code:420001

Subject Name:Pharmaceutics-II

Date:26/05/2011

Time: 02.30 pm – 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 Recipe: (6)
Liquorice Ferri Perchloridi 2ml
Pottassi Iodidi 4ml
Pottassi Citratis 4 gm
Aquam Ad 60ml
Fiat mistura
Signa 15 ml bis in summenda
(b) Classify incompatibilities. Discuss Therapeutic incompatibilities. (6)
(c) Write a note on Herapath reaction. (4)
- Q.2** (a) What is posology? Describe factors affecting dose. (6)
(b) Classify ointment bases. Give properties of an ideal ointment base. (6)
(c) Write a note on elixirs. (4)
- Q.3** (a) Prepare 600 ml of 60 % alcohol from 95 % alcohol (6)
(b) What is stoke's law? Give its significance in liquid doses form. (6)
(c) Give ideal properties of lipstick. (4)
- Q.4** (a) Discuss formulation ingredients of dentifrice. (6)
(b) Define displacement value. What is its importance in moulded doses form? (6)
(c) Describe identification tests for emulsion type. (4)
- Q.5** (a) Differentiate between: (6)
1) Liniments & lotion
2) Flocculated and Deflocculated suspension
(b) Define prescription. Discuss different parts of prescription giving examples. (6)
(c) Dispense one quart of 0.2 % solution (4)
Write short notes on:
- Q. 6** (a) HLB Value
(b) Effervescent Powder
(c) Lay out of Aseptic area
- Q.7** (a) How are parenteral preparations evaluated? (6)
(b) Comment on the Following: (6)
(i) Why preservative is not added in syrup?
(ii) In topical application tragacanth mucilage is added
(iii) Glycerin is added as a sweetener in throat paint.
(c) Comment on the following recipe: (4)
R_x
Codein phosphate 1/6 gr
Fiat pelvis mitte takes decion
Signa unus omni node summenda
