



SB-1152

Second Year B. Pharm. Examination

March / April – 2011

PH-202 : Pharmaceutics : Paper - IV
(Pharmaceutical Dispensing)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
S. Y. B. Pharm.	<input type="text"/>
Name of the Subject :	<input type="text"/>
PH-202 : Pharmaceutics : Paper - 4	<input type="text"/>
Subject Code No. : <input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 5 <input type="text"/> 2	<input type="text"/>
Section No. (1, 2,.....) : 1&2	
Student's Signature	

- (2) All questions are compulsory
(3) No. to the right indicate marks of questions

SECTION-I

- 1 Attempt any five questions from the following : 10
- (a) Why talc is used in preparation of aromatic water ?
 - (b) Enumerate various methods for calculation of dosage in children.
 - (c) Why sodium salicylate and syrup lemon can not be mixed in mixture ?
 - (d) Give labeling instructions for eye-drops.
 - (e) Comment : compound tragacanth powder is added in solid liquid dispersion.
 - (f) How proof spirit can be calculated in India and US ?
- 2 Attempt any four questions from the following : 16
- (a) How to dispense proprietary medicines ?
 - (b) Differentiate following
 - (1) Syrup and Elixir
 - (2) Flocculated and Deflocculated suspension
 - (3) Liniment and Lotion
 - (c) Discuss identification tests for emulsions.
 - (d) Write short note on radiopharmaceuticals.
 - (e) Give classification of liquid dosages forms. Discuss preparation of syrup IP.

- 3** Attempt any three questions from the following : **09**
- (a) How much of 3% ointment must be added to 50g of 15% ointment to make 10% ointment.
 - (b) Calculate the amount of sodium chloride required to make 100ml of 2% solution of cocaine hydrochloride isotonic with blood. Molecular weight of cocaine HCl - 339.5, yielding 2 ions, Molecular weight of sodium chloride - 58.5, yielding 2 ions.
 - (c) Describe factors affecting does calculation.
 - (d) What do you mean by displacement value ? How much amount of base will be requiring is making 12 suppositories each weighing 2 gram containing 300mg of Tannic acid. Displacement value of Tannic acid - 4.1

SECTION : II

- 4** Attempt any five questions from the following : **10**
- (a) Which substance can be used in sugar-free syrup and why ?
 - (b) Classify different types of incompatibilities.
 - (c) Distinguish between 'diffusible' and 'indiffusible solids' giving examples.
 - (d) Why displacement value calculation is necessary in the preparation of tablet triturates.
 - (e) What does phase inversion of emulsion mean ?
 - (f) What is the importance of latin terms used in prescription.
- 5** Attempt any four questions from the following : **16**
- (a) Write a brief note on therapeutic incompatibility.
 - (b) Discuss sources of errors in a prescription.
 - (c) Write a note on Indian Pharmacopoeia.
 - (d) Discuss container, labeling and storage requirement of powders for external use.
 - (e) Discuss methods for adjustment of isotonicity. Why isotonicity adjustment is necessary in parenterals.
- 6** Write a note on any three from the following : **09**
- (a) Problems in dispensing of divided powders.
 - (b) Future trends in dispensing methods.
 - (c) Mixtures.
 - (d) Therapeutic incompatibility.