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RC-1521-22

Second Year D. Pharm. Examination

April / May – 2010

Pharmaceutics - II

(Theory)

Time : **3** Hours] [Total Marks : **80**

RC-1521

Instructions : (1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.

Name of the Examination :

☛ **S. Y. D. Pharm.**

Name of the Subject :

☛ **Pharmaceutics - 2 (Theory)**

☛ Subject Code No. : **1 5 2 1** ☛ Section No. (1, 2,.....) : **1**

Seat No. :

Student's Signature

(2) **All** questions are **compulsory**.

(3) Figures to the **right** indicate **full** marks.

(4) Tie up **both** the sections **separately**.

1 Attempt any **five** from the followings : **10**

(1) Differentiate adjusted and tolerated incompatibility.

(2) Comment : Aqueous vehicles are not preferred for ear drops.

(3) Comment : Non-staining iodine ointment does not stain to the skin.

(4) The dose of a drug for an adult is 25 mg. Calculate the dose for a 16 year old boy.

(5) Translate into English :

(a) si opus sit

(b) statim

(6) Differentiate between Gargles and mouthwashes.

2 Attempt any **two** from the followings : **10**

(1) Discuss stepwise procedure for handling the prescription.

(2) Write a note on formulation of a stable suspension.

(3) Classify ointment bases giving suitable examples. Write ideal characteristics of an ideal ointment base.

3 Attempt any **two** from the followings : **10**

(1) Explain physical incompatibilities giving suitable examples.

(2) Explain physical instability of emulsion.

(3) Write a note on "Organoleptic Addtitives".

4 Attempt any **two** from the followings : **10**

(1) How many ml of 70% v/v, 60% v/v, 30% v/v and 20% v/v alcohols be mixed to obtain 200 liters of 40% v/v alcohol ?

(2) Identify the incompatibilities and suggest remedies for it.

Rx

Sodium salicylate ..... 5 gm

Syrup of lemon ..... 20 ml

Water.....to make ..... 75 ml

Make a mixture.

Label : One teaspoonful to be taken twice a day.

(3) Comment on the following prescription.

Rx

Ferric chloride solution ..... 1 ml

Potassium iodide ..... 2 gm

Potassium citrate ..... 4 gm

Water q.s. to ..... 60 ml

Make mixture

Label - one teaspoonful to be taken every four hours.

RC-1522

Instructions : (1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.

Name of the Examination :

☛ **S. Y. D. Pharm.**

Name of the Subject :

☛ **Pharmaceutics - 2 (Theory)**

☛ Subject Code No. : **1 5 2 2** ☛ Section No. (1, 2,.....) : **2**

Seat No. :

Student's Signature

(2) **All** questions are **compulsory**.

(3) Figure to the **right** indicate **full** marks.

(4) Tie up **both** the sections **separately**.

5 Attempt any **five** from the followings : **10**

(1) Comment : Powder mixture of camphor and thymol turns to liquid form.

(2) Enlist different types of modern prescription.

(3) Date is an important part of prescription. Justify.

(4) Comment : Acacia cannot be used for external emulsion?

(5) Why coaocabutter should not be heated above 38°C?

(6) Differentiate between ointment and paste.

(7) How will you prepare 500ml solution of 6% w/v NaCl in water.

6 Attempt any **two** from the followings : **10**

(1) Describe in brief formulation, containers and labeling instructions for eye lotion.

(2) Discuss in brief production facilities essential for production of parenterals.

(3) Describe factors influencing absorption of medicaments from suppositories.

7 Attempt any **two** from the followings : **10**

(1) Write a note on method of preparation of ointment.

(2) Discuss alkaloidal incompatibility giving suitable examples.

(3) Classify mixtures. How will you prepare mixture containing diffusible and indiffusible solids ?

8 Attempt any **two** from the followings : **10**

(1) Describe briefly various dental preparations.

(2) Write a note on effervescent powder.

(3) Describe various tests to detect type of emulsion.
