

0811

21314

3 Hours / 80 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answers with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Solve any **EIGHT** of the following: 16
- a) Define:
- i) Elixir
 - ii) Gargles
- b) Translate the following Latin terms into English
- i) More dicto
 - ii) Cataplasm
 - iii) Hora Somni
 - iv) Ex. lacte
- c) Give formulation of wetting solution of contact lens.
- d) Give any two examples of
- i) emulsifying agent
 - ii) suspending agent

P.T.O.

- e) Give any four properties of ideal suppository base.
- f) Differentiate between jellies and poultice.
- g) Name any four test for evaluation of parenteral preparation.
- h) What are Douches ? Give example.
- i) What is Herapath Reaction.
- j) Classify Paste bases.
- k) Give metric equivalent of following:
 - i) One teaspoonful
 - ii) One ounce
- l) Give qualities of good suspension.

2. Solve any **FOUR** of the following:

12

- a) Differentiate in between flocculated and deflocculated suspension.
- b) What is Posology ? Give various formulas of doses for children.
- c) Comment:
 - i) Antiperspirant
 - ii) Deodorant.
- d) What do you mean by particulate matter, Describe it's method of testing.
- e) Define the terms 'Jellies'. Write a short note on it's application.
- f) Define ointment. Describe fusion method of preparation of ointment.

3. Solve any FOUR of the following:**12**

- a) Enlist various factors influencing dose of drug.
- b) Define diffusible solid. Describe the procedure for dispensing diffusible solid.
- c) Find out quantity of 4% ointment which must be added to 100gm of 15% ointment to get 10% ointment.
- d) Define emulsion. Explain the role of emulsifying agent.
- e) Differentiate between ointment and paste.
- f) Define cosmetics. Give ideal properties of face powder.

4. Solve any FOUR of the following:**12**

- a) Write a short note on Total Parental Nutrition.
- b) What is physical incompatibility. Classify it with suitable example.
- c) Write a short note on 'Sterility testing'.
- d) Define poultice. How Kaolin poultice is prepared.
- e) How will you dispense the powder containing
 - i) Eutectic substance
 - ii) Explosive substance
- f) Define displacement value. Give it's significance in formulation.

5. Solve any FOUR of the following:**12**

- a) Define parenteral. Give steps involved in manufacturing of parenteral preparation.
- b) How will you dispense the following

 R_x

Sodium salicylate - 0.9gm
Caffine citrate - 0.6gm
Water to make - 30ml

Prepare a draught

Label: To be taken at once.

- c) Write a short note on 'Dusting Powder'.
- d) What are Shampoo. How are shampoo formulated.
- e) Write a short note on 'Glycerogelatin Suppositories'.
- f) Define pyrogen. Write in brief about pyrogen testing.

6. Solve any FOUR of the following:**16**

- a) How will you dispense following prescription

 R_x

Citric acid in fine powder - 120gm
Tartaric acid in fine powder - 270gm
Sodium Bicarbonate - 510gm
Sucrose - 150gm

Prepare effervescent granules. Send 10gm

Direction: One teaspoonful to be taken with water after meal.

- b) Write a short note on Cachets.
- c) Describe various factor governing the selection of ointment base.
- d) Describe suppositories bases.
- e) Define syrup. Write a note on various method of preparation of syrup.
- f) What is cracking of emulsion. Give factors responsible for it.