



RC-1503-04

D. Pharm. - I Examination
April / May - 2010
Pharmaceutical Chemistry - I

Time : 3 Hours]

[Total Marks : 80

RC-1503

Instruction :

नीचे दर्शावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लखवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
D. Pharm. - I

Name of the Subject :
Pharmaceutical Chemistry - I

Subject Code No. : 1 5 0 3 Section No. (1, 2,.....): 1

Seat No. :

Student's Signature

- 1 Define following terms with examples : (any five) 10
- (1) Antacids
 - (2) Expectorants
 - (3) Astringents
 - (4) Disinfectants
 - (5) Acidic radicals
 - (6) Dentifrices.
- 2 Attempt any five of following : 15
- (1) Explain Lowry-Bronsted concept of acids and bases with examples.
 - (2) Define and classify antidotes with examples.
 - (3) Write composition, properties and pharmaceutical uses of Soda-lime.
 - (4) Explain the principle of limit test of Iron.
 - (5) Give examples of three official buffer solutions with composition.

- (6) Write a note on combination antacid preparations.
- (7) What is Achlorhydria ? Which treatment would you prefer in case of Achlorhydria ?

3 Attempt any **three** of following : **15**

- (1) Describe applications of radiopharmaceuticals with examples.
- (2) What is physiological acid-base balance ? Explain various buffer systems of human body.
- (3) Explain the term limit test. Discuss the Limit test of Arsenic in detail.
- (4) Discuss the method of preparation, properties, pharmaceutical uses and assay method of Boric acid.

RC-1504

Instruction :

नीचे दर्शाविए निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
D. Pharm. - I

Name of the Subject :
Pharmaceutical Chemistry - I

Subject Code No. : **1 5 0 4** Section No. (1, 2,.....) : **2**

Seat No. :

Student's Signature

- 4 (a) Define following terms : (any **five**) 5
- (1) Inhalant
 - (2) Poison
 - (3) Half life
 - (4) Sclerosing agent
 - (5) RAD
 - (6) Hard water
- (b) Write the pharmaceutical uses of following compounds: **5**
(any **five**)
- (1) Bismuth subcarbonate
 - (2) Sodium potassium tartarate
 - (3) Selenium sulphide
 - (4) Titanium dioxide
 - (5) Sodium fluoride
 - (6) Activated charcoal
- 5 Write method of preparation, properties and pharmaceutical uses of following : (any **five**) 20
- (1) Aluminum hydroxide gel
 - (2) Potassium permanganate
 - (3) Potassium iodide
 - (4) Ferrous sulphate
 - (5) Alum
 - (6) Oxygen

6 Attempt any **two** of following : **10**

- (1) Explain the properties and uses of any two radiopharmaceuticals.
 - (2) Enumerate various sources of impurities in pharmaceuticals and discuss any two in detail.
 - (3) Write method of preparation, properties and uses of iodine solution.
-