

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY

SCHOOL OF PHARMACY

1st YEAR DIPLOMA PHARMACY

FIRST THEORY SESSIONAL EXAMINATION 2019-20

Subject Name: Pharmaceutical chemistry-I

Subject Code: 08600102

Time: 10:00 am to 11:00 am

Date: 17/09/2019

Total Marks: 20

Instructions:

1. Make suitable assumptions wherever necessary.
2. Figures to the right indicate full marks.

Q.1 Multiple Choice Question

(07)

- (1) _____ reacts with ferrous ion and gives pink to purple colour in limit test for iron.
(a) silver nitrate (b) thioglycolic acid
(c) barium chloride (d) hydrogen sulphide
- (2) Dilute HCl is used as _____.
(a) antacid (b) cathartics
(c) acidifying agent (d) adsorbent
- (3) pH of neutral solution is _____.
(a) 6 (b) 7 (c) 8 (d) 9
- (4) As per lowry bronsted concept acid _____.
(a) donates proton (b) donates a pair of electrons
(c) accepts proton (d) accepts a pair of electron
- (5) Precipitated chalk is _____.
(a) calcium oxide (b) magnesium oxide
(c) magnesium carbonate (d) calcium carbonate
- (6) Kaolin is used as _____.
(a) protective and adsorbent (b) saline cathartics
(c) antacid (d) acidifier
- (7) _____ is systemic antacid known as backing soda.
(a) sodium hydroxide (b) hydrochloric acid
(c) sodium bicarbonate (d) magnesium trisillicate

Q.2 Long Answer (any one)

(05)

- (1) Write a note on limit test for chloride.
- (2) Write a note on limit test for lead.

Q.3 Short Answers (any four)

(08)

- (1) Write formula, property and uses of boric acid.
- (2) Define acid and base as per different acid base theories.
- (3) Classify inorganic compound acting on gastrointestinal agents.
- (4) Give requirements for ideal antacid.
- (5) Write chemical name, formula and uses of Epsom salt.
- (6) Write about buffer.