

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D Examination May 2018

Year: 1**Subject Code : 08207105****Subject Name: Pharmaceutical Inorganic Chemistry****Date: 06/05/2018****Time: 10:00AM TO 01:00PM****Total Marks: 70****Instructions**

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

Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)

1. Define limit test and explain gutzeit test with diagram and, discuss the sources of impurities in pharmaceuticals.
2. Define buffer, derive Henderson-Hasselbach equation for pH and, give a brief note on physiological acid base balance.
3. Define inorganic radio pharmaceuticals, types of radiation; explain units of activity, measurements of activity and clinical applications for same.

Q.2 Short Essay Type Questions. (Any 4 out of 5) (5 Mark Each) (20)

1. Define and classify antacids.
2. Give a brief note on Gravimetric analysis.
3. Write brief note on Nonaqueous titrations.
4. Explain in brief about Complexometric titrations.
5. Give a brief account of Oral rehydration salt.

Q.3 Short Answers. (2 Mark Each) (20)

1. Define: Antioxidants and Preservatives.
2. Give a brief note on acidifying agents.
3. Define: Emetics and Antidotes.
4. Write types of redox titrations.
5. Write storage condition for carbon dioxide and oxygen.
6. Explain: types of errors in brief.
7. Give classification of cathartics.
8. Define: Antimicrobials and Expectorants.
9. Explain: Dentifrices in brief.
10. Write Fajans methods for Argentometric titration.