

Seat No.:-----

Enrolment No.:-----

**UKA TARSADIA UNIVERSITY**

Maliba Pharmacy College

B. Pharm 1<sup>st</sup> Semester Internal Examination 2013 (*Mid-Sem 2*)

**030020102-Pharmaceutical Chemistry (Inorganic)**

Time: 10:00 a.m. To 1:00 p.m.

Max. Marks: **70**

Date: 29/11/2013

**Instructions:**

- Question no. **1 is compulsory.**
- From Q.2 to Q.7 attempt any **four** questions.
- Make suitable assumption whenever necessary.
- Figures to the right indicate full marks.

- Q.1** (a) Answer the following: (any six) **06**
- 1 Define Pharmacopoeia.
  - 2 Define astringent.
  - 3 Define anti-oxidant.
  - 4 Give uses of calamine.
  - 5 Define Lowry-Bronsted acid.
  - 6 What is hypokalemia.
  - 7 Write any two examples of compound used as dentifrice.
  - 8 Write any two examples of compound used as haematinic.
- (b) Describe in brief: (any four) **08**
- 1 Write storage condition for oxygen and laughing gas.
  - 2 Define buffer and classify different types of buffer with suitable examples.
  - 3 What are intra and extra cellular electrolytes?
  - 4 Write assay method for milk of magnesia.
  - 5 Write the principle for limit test of chloride.
  - 6 Distinguish between poison and antidote.
- Q.2** (a) Write different acid base concepts with examples. **04**
- (b) Write a note on anticarries agent. **05**
- (c) Write method of preparation, uses and assay method for calcium gluconate. **05**
- Q.3** (a) Write a short note on respiratory stimulant. **04**
- (b) Write a short note on electrolytes used in replacement therapy. **05**
- (c) Write method of preparation, uses and assay method for ammonium chloride. **05**
- Q.4** (a) Write a short note on ORS. **04**
- (b) Discuss physiological role of sodium. **05**
- (c) Write method of preparation, uses and assay method for ferrous sulphate. **05**
- Q.5** (a) Write preparation of calcium carbonate and sodium bicarbonate. **04**
- (b) Write a note on Limit test for arsenic. **05**
- (c) Differentiate laxative purgative and cathartics. **05**
- Q. 6** (a) Write assay and use of hydrogen peroxide **04**
- (b) Classify and discuss topical agents with example **05**
- (c) Write a note on various preparation of iodine **05**
- Q.7** (a) Write pharmaceutical uses of sodium metabisulphide and purified talc. **04**
- (b) Write different mechanism of action of antimicrobial agents with examples. **05**
- (c) Classify pharmaceutical aids with suitable example **05**