

**C.U.SHAH UNIVERSITY**

WADHWAN CITY

University (Winter) Examination -2013

Subject Name: -Pharmaceutical Chemistry-I(Inorganic)

Marks : 70

Course Name : B.Pharm Sem-I

Duration :- 3:00 Hours

Date : 8/1/2014

**Instructions:-**

- (1) Attempt all Questions of both sections in same answer book / Supplementary.
- (2) Use of Programmable calculator & any other electronic instrument is prohibited.
- (3) Instructions written on main answer Book are strictly to be obeyed.
- (4) Draw neat diagrams & figures (If necessary) at right places.
- (5) Assume suitable & Perfect data if needed.

**SECTION-I****Question No.1 is compulsory.**

- |     |     |   |   |
|-----|-----|---|---|
| Q-1 | (a) | Define Limit Test.  | 1 |
|     | (b) | What is Antacid? Give one example.  | 1 |
|     | (c) | What is Cathartics? Give one example.                                     | 1 |
|     | (d) | What is Emetic? Give one example.   | 1 |
|     | (e) | Give examples of any four antimicrobials with their molecular formula.    | 2 |
|     | (f) | What is Astringent? Give one example.                                     | 1 |
| Q-2 | (a) | What are gastrointestinal agents? Describe about Aluminium hydroxide gel. | 5 |
|     | (b) | Classify Cathartics and describe their mechanism of action.               | 5 |
|     | (c) | Write a short note on combination preparations of antacid.                | 4 |

**OR**

- |     |     |   |   |
|-----|-----|---|---|
| Q-2 | (a) | What are topical agents? Describe about Hydrogen peroxide.              | 5 |
|     | (b) | Define anaesthetics. Describe about Laughing gas.                       | 5 |
|     | (c) | Write about preparation, properties, assay and uses of sodium fluoride. | 4 |
| Q-3 | (a) | What are the various sources of impurities write in brief?              | 7 |
|     | (b) | Write the principle and procedure of Limit Test for Arsenic?            | 7 |

**OR**

- |     |     |   |   |
|-----|-----|---|---|
| Q-3 | (a) | Explain various theories of acids and base in detail.               | 7 |
|     | (b) | What are physiological buffers? Give example and describe in detail | 7 |



## SECTION-II

**Question No.4 is compulsory.**

- Q-4 (a) What is Expectorant? Give one example. 1  
(b) What is Sedative? Give one example. 1  
(c) What is Antioxidant? Give one example. 1  
(d) What is Filter aid? Give one example. 1  
(e) What is Respiratory stimulant? Give one example? 1  
(f) What is Diluent? Give one example. 1  
(g) Write the formula and use of Rochelle salt. 1
- Q-5 (a) Write short note on ORS. 5  
(b) Write about the electrolytes used for replacement therapy. 5  
(c) Write in detail about cyanide poisoning and its antidotes. 4

OR

- Q-5 (a) Write the biological Importance of calcium. 5  
(b) Write the composition of calamine lotion and its use. 5  
(c) Write the advantages of Povidone-Iodine preparation. 4
- Q-6 (a) What are the requirements of an ideal antacid? 7  
(b) Define Buffer. Write the various types of buffers and their applications in pharmacy. 7

OR

- Q-6 (a) Write down various clinical applications of inorganic radiopharmaceuticals. 7  
(b) What are the instruments used for measuring radioactivity? Write a note on Geiger Muller counter. 7

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