

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 1st Semester Internal Examination Nov 2012**030020102- Pharmaceutical Chemistry-I**

Time: 1:30 – 4:30 PM

Marks: 70

Date: 28/11/2012

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 What is pH?	
	2 What is RAD?	
	3 Define pharmaceutical inorganic chemistry.	
	4 Define cathartics.	
	5 What is acidifying agents? When it is used?	
	6 Give chemical formula of baking soda.	
	7 Define emetics.	
	8 Give two examples of diluents.	
	(b) Describe in brief: (any four)	08
	1 Enlist general content of monograph.	
	2 Write principle of limit test for sulfate.	
	3 Enlist various chelating agent and give their uses in therapy.	
	4 Write preparations and uses of potassium iodide.	
	5 Write preparation and uses of CuSO ₄ .	
	6 Write in brief about filter aids.	
Q.2	(a) Define buffer capacity and role of buffer in pharmacy.	04
	(b) Describe principle of limit test for lead as per I.P.	05
	(c) Discuss different concepts of acid base in with example.	05
Q.3	(a) Write short note on electrolytes used in the replacement therapy.	04
	(b) Classify dental products with suitable examples and discuss role of fluoride in preventing dental carries.	05
	(c) Discuss biological significance of sodium.	05
Q.4	(a) Differentiate between alpha and gamma rays.	04
	(b) Write short note on units used for measurement of radio activity.	05
	(c) Enlist sources of impurities and describe any two in detail.	05
Q.5	(a) Write a short note on oral rehydration salts.	04
	(b) Write method of preparation, assay and uses of barium sulphate.	05
	(c) Write method of preparation, assay and uses of sodium nitrate.	05
Q. 6	(a) Define buffer and write ideal criteria for selection of buffer.	04
	(b) Write method of preparation, assay and use of Sodium thiosulphate.	05
	(c) Write assay, storage condition and uses of KMnO ₄ ..	05
Q.7	(a) Classify Pharmaceutical aids with examples.	04
	(b) Write composition of various iodine preparations.	05
	(c) Write method of preparation, assay and uses ferrous sulfate.	05