

# SHRI RAMSWAROOP MEMORIAL UNIVERSITY

## End Semester Examination (2021-22)-Odd Semester

### B. Pharm – I Year (I Sem)

Course Name: Pharmaceutical Inorganic Chemistry

Code: BP104T

Time: 03 Hours

Max Marks: 75

University Roll No.

(To be filled by the student)

Note: Please read instructions carefully:

- The question paper has 03 sections and it is compulsory to attempt all sections.
- All questions of Section A are compulsory; questions in Section B and C contain choice.

Section A: Multiple Choice or Objective Type Questions		BL	CLO	Marks (20)
Attempt all the questions.				
1.	The first edition of IP got published in a) 1956 b) 1955 c) 1965 d) 1985	BL1	CLO1	02
2.	In the limit test of arsenic which of the following forms yellow colored stain on reaction with mercuric chloride paper. a) potassium iodide b) arsenic acid c) arsenious acid d) arsine gas	BL1	CLO2	02
3.	The acid base theory was firstly prepared by a) Arrhenius b) Lowry c) Bronsted d) Galen	BL1	CLO3	02
4.	Calcium carbonate is an example of a) Polishing agent b) Dentrifrices c) Abrasives	BL2	CLO4	02

	d) All of the above			
5.	Chlorinated lime which is famously called as “bleaching powder” cause antimicrobial action by  a) Oxidation b) Halogenation c) Protein precipitation d) Neutralization	BL2	CLO4	02
6.	Chemically alum is  a) Sodium aluminium sulphate b) Calcium aluminium sulphate c) Potassium aluminium sulphate d) Potassium copper sulphate	BL1	CLO4	02
7.	Aqueous iodine solution is also known as  a) Tincture of iodine b) Lugol’s solution c) Milk of iodine d) None	BL1	CLO4	02
8.	Expectorants are the drugs which  a) Stimulates CNS b) Relieves hypochlorhydria c) Removes sputum from the respiratory tract d) Increase urine formation	BL1	CLO4	02
9.	Radioactive isotope is decayed by  a) Zero order kinetic b) First order Kinetic c) Mixed order kinetic d) None	BL2	CLO5	02
10	Radiation is measured in which of the following unit  a) Curie b) Pascal c) Ohm	BL2	CLO5	02

	d) MI			
<b>Section B: Short Answer Type Questions</b> <b>Attempt any 07 out of 09 questions.</b>		<b>BL</b>	<b>CLO</b>	<b>Marks (35)</b>
1.	Explain the principle and reaction involved in the limit test of arsenic	BL2	CLO2	05
2.	Describe History of Pharmacopoeia.	BL2	CLO1	05
3.	Give composition of ORS solution and write the method of measurement of isotonicity.	BL3	CLO3	05
4.	Write a note on role of fluoride in the treatment of dental caries.	BL1	CLO4	05
5.	What are saline cathartics? Give the preparation properties and uses of magnesium sulphate .	BL2	CLO5	05
6.	Write short note on any one of the following: (i) Iodine and its preparation (ii) Sodium bicarbonate (iii) Ferrous sulphate	BL5	CLO5	05
7.	Discuss in detail about cyanide poisoning and its treatment.	BL2	CLO4	05
8.	Define any 3 with example: Expectorants, poison and antidote, Haematinics, Radiopharmaceuticals.	BL1	CLO5	05
9.	Differentiate between alpha, beta and gamma rays. And explain half life of radioactive elements.	BL4	CLO5	05
<b>Section C: Long Answer Type Questions</b> <b>Attempt any 02 out of 03 questions.</b>		<b>BL</b>	<b>CLO</b>	<b>Marks (20)</b>
1.	Explain the Combination antacid therapy in detail.	BL2	CLO4	10
2.	Discuss Copper sulphate and Activated charcoal.	BL2	CLO4	10
3.	Describe buffers in pharmaceutical systems and handerssen hasselbatch equation.	BL6	CLO3	10