

Roll No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**PARUL UNIVERSITY****FACULTY OF PHARMACY****B. PHARM FIRST SEMESTER****SECOND INTERNAL THEORY EXAMINATION: 2022-23****Subject Name: Pharmaceutical Inorganic Chemistry****Subject Code: BP104T****Time: 12.00 to 01.15 pm****Date: 23/02/2023****Total Marks: 30****Instructions:**

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

		CO	BL
<b>Q.1</b>	<b>Multiple Choice Questions.</b>	<b>10 Marks (10 X 1=10)</b>	
<b>1</b>	One of the following is not an antacid.	<b>(1)</b>	<b>3</b>
	(a) Sodium bicarbonate		<b>1</b>
	(b) Aluminum hydroxide gel		
	(c) Calcium carbonate		
	(d) Milk of bismuth		
<b>2</b>	Simethicone is _____.	<b>(1)</b>	<b>3</b>
	(a) Antacid		<b>1</b>
	(b) Defoaming agent		
	(c) Astringent		
	(d) None of the above		
<b>3</b>	Precipitated chalk is a synonym for _____.	<b>(1)</b>	<b>3</b>
	(a) MgCO <sub>3</sub>		<b>1</b>
	(b) Al <sub>2</sub> (CO <sub>3</sub> ) <sub>2</sub>		
	(c) CaCO <sub>3</sub>		
	(d) ZnCO <sub>3</sub>		
<b>4</b>	Example of emollient laxative is _____.	<b>(1)</b>	<b>3</b>
	(a) Liquid paraffin		<b>1</b>
	(b) Disodium hydrogen phosphate		
	(c) Senna extract		
	(d) None of above		
<b>5</b>	One of the followings is not a hematinic.	<b>(1)</b>	<b>4</b>
	(a) Iron		<b>1</b>
	(b) Folic acid		
	(c) Vitamin B <sub>12</sub>		
	(d) Vitamin B <sub>2</sub>		
<b>6</b>	One of the following is not used in iron deficiency anemia.	<b>(1)</b>	<b>4</b>
	(a) Ferrous succinate		<b>1</b>
	(b) Ferrous sulphate		
	(c) Ferrous fumarate		
	(d) Ferrous gluconate		
<b>7</b>	Antimony potassium tartrate is	<b>(1)</b>	<b>4</b>
	(a) Emetic		<b>1</b>
	(b) Expectorant		
	(c) Antidote		
	(d) a and b both		
<b>8</b>	Which of the following has lowest tissue penetration power?	<b>(1)</b>	<b>4</b>
	(a) α - particles		<b>1</b>
	(b) β - particles		
	(c) x - rays		
	(d) γ - rays		
<b>9</b>	Geiger - Muller counter can detect.	<b>(1)</b>	<b>4</b>
	(a) α and β		<b>1</b>
	(b) β and γ		
	(c) A, β and γ		
	(d) γ		
<b>10</b>	Which is not an isotope of hydrogen.	<b>(1)</b>	<b>4</b>
	(a) <sup>1</sup> H <sup>1</sup>		<b>1</b>
	(b) <sup>1</sup> H <sup>2</sup>		
	(c) <sup>1</sup> H <sup>3</sup>		
	(d) None of above		

<b>Q.2</b>	<b>Long Answer: (Answer Any one)</b>	<b>10 Marks (1 X 10 =10)</b>	
	1) Explain mechanism and classification of antimicrobial agent with Example. Write assay of Hydrogen peroxide.	<b>3</b>	<b>2</b>
	2) Define and classify antacid. Write ideal properties of antacid. Write a note on aluminum hydroxide gel.	<b>3</b>	<b>2</b>
<b>Q.3</b>	<b>Short Answer: (Answer Any Two)</b>	<b>10 Marks (2 X 5=10)</b>	
	1) Write pharmaceutical application of radioactive substances.	<b>4</b>	<b>2</b>
	2) Write a note on properties of alpha, beta and gamma rays.	<b>4</b>	<b>2</b>
	3) What are Expectorants? Explain Ammonium Chloride in brief.	<b>4</b>	<b>1</b>