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**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**

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

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

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

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**Instructions:**

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

**Q.1 Multiple Choice Questions. (10 X 1=10) (10)**

- 1 One of the following is not an antacid.  
(a) Sodium bicarbonate (b) Aluminum hydroxide gel  
(c) Calcium carbonate (d) Milk of bismuth
- 2 Simethicone is \_\_\_\_\_.  
(a) Antacid (b) Defoaming agent  
(c) Astringent (d) None of the above
- 3 Precipitated chalk is a synonym for \_\_\_\_\_.  
(a)  $MgCO_3$  (b)  $Al_2(CO_3)_2$   
(c)  $CaCO_3$  (d)  $ZnCO_3$
- 4 Example of emollient laxative is \_\_\_\_\_.  
(a) Liquid paraffin (b) Disodium hydrogen phosphate  
(c) Senna extract (d) None of above
- 5 One of the followings is not a hematinic.  
(a) Iron (b) Folic acid  
(c) Vitamin B<sub>12</sub> (d) Vitamin B<sub>2</sub>
- 6 One of the following is not used in iron deficiency anemia.  
(a) Ferrous succinate (b) Ferrous sulphate  
(c) Ferrous fumarate (d) Ferrous gluconate
- 7 Antimony potassium tartrate is  
(a) Emetic (b) Expectorant  
(c) Antidote (d) a and b both
- 8 Which of the following has lowest tissue penetration power?  
(a)  $\alpha$  - particles (b)  $\beta$  - particles  
(c) x - rays (d)  $\gamma$  - rays
- 9 Geiger - Muller counter can detect.  
(a)  $\alpha$  and  $\beta$  (b)  $\beta$  and  $\gamma$   
(c)  $\alpha$ ,  $\beta$  and  $\gamma$  (d)  $\gamma$
- 10 Which is not an isotope of hydrogen.  
(a)  ${}_1H^1$  (b)  ${}_1H^2$   
(c)  ${}_1H^3$  (d) None of above