Enrollment No: \_\_\_ Seat No: \_\_\_

## PARUL UNIVERSITY **FACULTY OF PHARMACY**

## **B. Pharm. Summer 2018-19 Examination**

Semester: 1 Date: 24/04/2019

**Subject Code: BP104T** Time: 02:00 pm to 05:00 pm

**Total Marks: 75 Subject Name: Pharmaceutical Inorganic Chemistry** 

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- 1. Figures to the right indicate maximum marks.

2. Make suitable assumptions wherever necessary	
Q.1 Multiple Choice Questions (MCQs)	(1 Mark Each)
1. When unstable nuclei undergo radioact	tive decay. They emit three types of radiation.which is not one
of them?	
a) alpha	b) beta
c) delta	d) gamma
2. Sodium iodide I <sup>131</sup> is used to treat	
a) Hypernatremia	b) Hypertension
c) Hyperkalemia	d) Hyperthyroidism
3. Dil. HCl is used as	
a) Antiseptic	b) Protective
c) Acidifying agent	d) Antioxidant
4. In Bronsted-Lowry concept acid is	,
a) Proton donor	b) Proton acceptor
c) Electron donor	d) Electron acceptor
5. Sodium Bicarbonate is	, <u>,</u>
a) Cathartics	b) Antacid
c) antimicrobial	d) Antidote
6. To prevent dental caries toothpaste cor	•
a) Potash Alum	b) Sodium fluoride
c) Sodium potassium tartrate	d) Iodine
7. The standard and test solution used for	•
a) Beaker	b) Burette
c) Nessalar cylinder	d) Volumetric flask
8. Antacids are used for treating indigesti	*
a) Potassium hydroxide	b) Sodium hydroxide
c) Magnesium carbonate	d) Magnesium hydroxide
9. Zinc eugenol cement is	d) Wagnesiam nydroxide
a) Dental products	b) Acidifiers
c) Haematinics	d) Use in diabetes
10. What is true about antacid?	d) Ose in diabetes
a) It is alkaline substance	b) Used for inhibiting release of acid
	d) All of above
c) It is water soluble 11. An <b>alpha particle</b> is a fast moving pac	•
	_
a) two protons and two neutrons	b) one protons and two neutrons
c) two electron	d) None of above
12. Which one Astringents	h) a and a hath
a) Potash Alum	b) a and c both
c) Zinc Sulphate	d) Copper sulphate
13. Which of the following is called Roche	
a) Potassium citrate	b) Potassium bitartarate
c) Sodium potassium tartarate	d) All of above
14. Following all are Cathartics except	
a) Magnesium sulphate	b) Sodium orthophosphate
c) Kaolin and Bentonite	d) Hydrogen peroxide

(20)

15. Which stains paper is used in limit test of Arsenic?				
a) Cobalt chloride	b) pH paper			
c) Mercuric chloride paper	d) None of above			
16. Which one is Haematinics?				
a) Ferrous sulphate	b) a and c both			
c) Ferrous gluconate	d) None of above			
7 are the agents which prevent or arrest vomiting?				
a) Preservatives	b) Antacids			
c) Antiemetic	d) Antidotes			
18. Curie is defined as the amount of radioactive substance	which give rise to a decay rate of			
decay per second.				
a) $3.7 \times 10^9$ per second	b) $3.7 \times 10^7$ per second			
c) $3.7 \times 10^{10}$ per second	d) $3.7 \times 10^{11}$ per second			
19. Half life				
a) $\lambda = 0.693 / t_{1/2}$	b) $\lambda = 6.93 / t_{1/2}$			
c) $\lambda = 0.0693 / t_{1/2}$	d) $\lambda = 0.00693/t_{1/2}$			
20. Impurities in pharmaceutical preparation may be due to	following sources:			
a) Chemical instability	b) Raw material			
c) Manufacturing process	d) All of the above			
Q.2 Long Answers (any 2 out of 3) (10 Mark Each)				
1. Define limit test and explain limit test of Iron. Discuss	-			
2. Define Radioactivity. Describe properties of $\alpha$ , $\beta$ , $\gamma$ rad	iations.			
3. Define and classify the Gastrointestinal agents. Write I	deal properties of antacids.			
Q.3 Short Answers (any 7 out of 9) (5 Mark Each)				
1. Define: 1. Half life 2. Cathartics 3. Haematinics 4. Astringents 5. Buffer capacity				
2. Write a short note on role of Sodium fluoride in the treatment of dental caries.				
3. Explain physiological acid base balance.				
4. Describes buffered isotonic solutions, and measuremen	its of tonicity in brief.			
5. Write a short note on an Oral Rehydration Salt.				
6. Write a short note on Expectorants and Emetics.				
7. Give a brief note on Poison and Antidote.				
8. Write pharmaceutical application of radioactive substan	nces.			
9. Write assay of Calcium gluconate.				