B. PHARM. FIRST SEMESTER PHARMACEUTICAL INORGANIC CHEMISTRY BP104T [REPEAT] [USE OMR FOR OBJECTIVE PART]

SET A

Dur	ation: 3 hrs.		Ful	l Marks: 75	
Time: 30 min. Choose the correct answer from the following: M Choose the correct answer from the following:					
1.	Sodium nitrite is an antidote for a. Arsenic poisoning c. Heavy metal poisoning		Cyanide poisoning Lead poisoning		
2.	Which of the following isn't a hematinic a. Folic acid c. Iron		Vitamin B12 Calcium		
3.	Potash alum is assayed by metala. Oxidation-reductions c. Gravimetric	b.	Complexometric Precipitations		
4.	Which of the following is prepared by Solva a. Sodium bicarbonate c. Magnesium sulphate	b.	orocess Dil. HCL Sodium orthophosphate		
5.	Calcium gluconate can be used as a. Antacid c. Laxative		Electrolyte replenisher Astringent		
6.	is prepared when rock is mined a. Bismuth subcarbonate c. Kaolin		Sodium bicarbonate Sodium hydroxide		
7.	In the limit test of sulphate alcohol prevents a. Saturationc. Less saturation	b.	Super saturation Precipitation		
8.	Which one of these is used as isotonicity ad a. Boric acid c. Sodium chloride	b.	er Dextrose All of them		
9.	In limit test of iron purple colour formation a. Ferrous sulphatec. Ferric glycolate	b.	lue to Glycolate Glycolic acid		

10	 Limit test of chloride is performed in 				
	a. Measuring cylinder	b. Nessler cylinder			
	c. Iodine flask	d. Gutzeit			
11.	. Amphoteric is a substance behaves as				
	a. Acid	b. Base			
	c. Both acid and base	d. Strong base			
12.					
	The first Indian edition of pharmacopeia va. 1956	b. 1959			
	c. 1955	d. 1948			
13.		u. 1740			
	Which radiation is the least penetrating? a. Alpha				
	c. Gama	b. Beta			
		d. Delta			
14. Which of the following statement is not correct?					
	a. Isotope has the same proton number	b. Isotope has different mass			
	but different neutron number				
15	c. All the isotope are radioactive	d. None of the above			
15. Containers that are used to safely store and transport radioisotopes must					
	which metal?				
	c. Copper	b. Aluminium			
10		d. Lead			
16.	Scintigraphy is used to detect radioisotope	s that emit which kind of radiation?			
	a. Alpha c. Gama	b. Beta			
		d. Delta			
17.	Replacement therapy is needed when				
	a. Heavy loss of water	b. Prolonged fever			
	c. Diarrhoea	d. All of the above			
18.	Which of the following is not a type of imp	urity in pharmaceutical substances?			
	and organic impurities	b. Inorganic impurities			
	c. Residual solvent	d. Microbial impurities			
19.	Buffer solution are usually made by				
	a. Weak acid and weak base	h 14/- 1 / 1 / 1			
	c. Strong acid and its salt	b. Weak acid and its salt			
20.		d. Strong acid and base			
20.	Which of the following is used as acidifier a. Dil. HCI	THE RESERVE THE PARTY OF THE PA			
		b. Sodium bicarbonate			
	c. Magnesium sulphate	d. Potassium permanganate			

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PART-B: Descriptive

Time: 2 hrs. 30 min.

sulphate.

industry.

Marks: 35 [Answer any seven (7) questions] 1. What are cathartics? How magnesium sulphate is prepared in 1+4=5 laboratory and write its uses. Explain the role of fluoride in the treatment of dental caries. 5 Derive Henderson-Hasselbalch equation for basic buffer. 5 What is the difference between limit and limit test? Write the 2+3=5 principle involve in limit test of arsenic with the reaction? What is an astringent? Write notes on potash alum? 1+4=5 What is radioactivity? Discuss the properties of α , β and γ 1+4=5 radioactive rays Discuss Geiger-muller counter for the measurement of 5 radioactivity? Define haematinics? Discuss the preparation and assay of ferrous

9. Explain the various source of impurities in pharmaceuticals

1+4=5

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[PART-C: Long type questions]

[Answer any two (2) questions]

1.	combination of antacid are important for better action of drugs?	=10
2.	Define the following term (i) osmotic pressure (ii) isotonic solution (iii) buffer capacity. Describe the methods used to adjust isotonicity?	1+1+1+ 7=10

3. Write the classification of antidote based on their mechanism of 3+7=10 action? Discuss any two-antidote used for cyanide poisoning

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