Bachelor of Pharmacy (B.Pharm) (CBCS Pattern) First Semester BP 104T - Pharmaceutical Inorganic Chemistry-I

P. Pages : 3 Time : Three Hours		Iours	* 3 0 1 1 *			GUG/W/18/10873 Max. Marks : 75
	Notes :	1. 2. 3. 4.	Assume suitable data v Diagrams and Chemica Discuss the reaction, m All questions are comp	wherever nece al equation sho nechanism wh pulsory.	ssary. ould be given whereve erever necessary.	r necessary.
1.	Ми	20				
	i)	In a) c)	Arsenic limit test tempe 37° 50°	rature should b) d)	be maintained at - 40° 25°	
	ii)	pH a) c)	range for the Acid phth 1.2 - 2.2 4.2 - 5.8	alate buffer is b) d)	2.2 - 4.0 8 - 10	
	iii)	 Wł a) b) c) d) 	nich buffer is used for m Carbonic acid - bicarb Acetic acid - sodium a Ammonium Hydroxid Formic acid - sodium	aaintaining aci oonate ion acetate le - Ammoniu formate	d base balance in the b m chloride	vlood.
	iv)	If t a) c)	he pH of the blood falls Acidosis Neutral	below 7.3 the b) d)	condition is termed as Alkalosis All the above	S -
	v)	Wł a) c)	nat should be the concer 1 PPM - 2 PPM 2 PPM	utration of fluc b) d)	orides in treatment of I 0.5 PPM - 1 PPM None of the above	Dental carries.
	vi)	Th a) c)	e body fluids founds wit Plasma Intracellular fluids	thin the cells i b) d)	s called - Extracellular fluids Interstitial fluids	
	vii) Mo a) c)	blecular formula for the SnF Sn ₂ F	stannous fluor b) d)	ride is - SnF ₂ none	
	vii	 i) Flu a) b) c) d) 	orides inhibits dental ca Downward acid solub Bacterial Inhibition both a & b None of the above	arries by - ility of ename	1	

1X)	Sali	ine cathartics are used in follow	wing conditions.					
	a)	Dysentery	4)	All the shows				
	C)	Consupation	d)	All the above				
x)	Synonym for Antimony potassium Tartarate is.							
,	a)	Emetic Potassium	b)	Emetic Tartar				
	c)	Emetic Antimony	d)	Tartar Emetics				
	,	-	,					
xi)	Em	etics acts by -						
	a)	Stimulation of the chemoreceptor trigger zone						
	b)	Increasing the amount of fluids						
	c)	Decreasing the viscosity of bronchial secretion						
	d)	None of these						
xii)	Radioactivity was discovered firstly by -							
)	a)	Henri Becquerel	b)	Rutherford				
	c)	J. J. Thomson	d)	Madame Curie				
	-)							
xiii) Chemical formula for yellow mercuric oxide is -								
	a)	HgO ₂	b)	HgO				
	c)	Hg ₂ O	d)	None				
xiv)	Wh	ich one of the following is an e	xampl	e of physiological Antidote.				
	a)	Sodium Nitrite	b)	Sodium Thiocyanate				
	c)	Activated Charcoal	d)	Copper Sulphate				
vv)	Цо	av do astringents act						
ΛV)	a)	Lipid Precipitant	b)	Bacterial Inhibition				
	(a)	Protein Precipitant	d)	Enzymatic catalysis				
	0)	1 Iotem 1 Icerpitant	u)					
xvi)	Zin	c sulphate is also known as -						
	a)	White Vitriol	b)	Red Vitriol				
	c)	Blue Vitriol	d)	Yellow Vitriol				
XVII) But	ter of Zinc is a synonym for.	1 \					
	a)	Zinc Chloride	b)	Zinc carbonate				
	c)	Zinc Bicarbonate	d)	None of these				
xviii) Muriatic is a common name of -								
	a)	HCl	b)	H_2SO_4				
	c)	HNO ₃	d)	None				
	,	-	,					
xix)	ix) Systemic Antacid is known as -							
	a)	Na ₂ CO ₃	b)	NaHCO ₃				
	c)	CaCO ₃	d)	K_2CO_3				
xx)	Following are used to bring about defecation.							
	a)	Expectorants	b)	Cathartics				
	c)	Emetics	d)	All the above				

- 2.
- Attempt **any two** of the following.
- i) Define antimicrobials, Give it's classification, mechanism of action and explain any two compounds act as antimicrobials.
- ii) Explain types and sources of imparities which may likely to be present in pharmaceutical preparation and give principle & procedure for sulphate limit test.
- iii) Define antidote, Give it's classification and explain in details cyanide poisoning.
- **3.** Attempt **any seven** of the following.
 - i) Write a note on Astringents.
 - ii) Explain desensitizing agents.
 - iii) Explain about Buffer capacity.
 - iv) Explain Gutzeit apparatus with diagram.
 - v) Give pharmaceutical applications of radio pharmaceuticals.
 - vi) Explain with examples expectorants.
 - vii) Define Antacids & give classifications with examples.
 - viii) Write a note on Acetifiers.
 - ix) Explain with examples Haematinics

35