Seat 1	Numb	er				PANKH-55
m				BP-104-T armaceutical Inorganic (711104)	Chei	mistry-I
Total Pages : 5] Time: 3 Hours				Max Marks : 75		
Note	: (1)	Do	o not	write anything on question	on pa	per except Seat No.
	(2)	Al	l que	stions are compulsory.		
	(3)	No	sup	plement will be provided.		
	(4)	Dı	aw t	he labelled diagram where	ever i	necessary.
1.	(A)	Muli	tiple o	choice questions :		10
		(i)	The	lead acetate cotton plug is	used	in limit test of arsenic to
			trap	:		
			(a)	Arsine gas	(b)	H_2S gas
			(c)	H_2 gas	(d)	Halogens
 (ii) Alcohol is used in barium sulphate reagent to prevent: 						eagent to prevent :
, P			(a)	Saturation		
			(b)	Supersaturation		
			(c)	Turbidity		
			(d)	Opallescence		

(iii)	Which of the following is additional component of Sorenson's buff								
	solution ?								
	(a)	NaOH	(b)	NaCl					
	(c)	KCI	(d)	КОН					
(iv)	ıd:								
	(a)	Strong acid							
	(b)	Weak base							
	(c)	Salt of weak acid							
	(d)	Salt of weak base							
(v)	The	The body fluid found within the cells is called:							
	(a) Plasma								
	(b)	Intracellular fluid							
	(c)	Extracellular fluid							
	(d)	Water							
(vi)	Нур	perkalemia is the :							
	(a)	Decreased Ca level							
	(b)	Increased Ca level							
	(c)	Decreased K level							
	(d)	Increased K level							

		Dente	a cement consists of :			
		(a)	Zn + Eugenol	(b)	Na + Mannitol	
		(c)	Al + Cresol	(d)	None of these	
	(viii)	Anta	cids are used in combinatio	n with	h:	
		(a)	Alginic acid			
		(b)	Mg trisillicate			
		(c)	Semithicone			
		(d)	All of the above			
	(ix)	Mecl	nanism of action of buffer is	base	d on:	
		(a)	Henderson Hasselbalch eq	uation	1	
		(b)	Crompton's equation			
		(c)	Sorrenson's equation			
		(d)	Ilkovic's equation			
	(x)	Pati	ent of type I achlorhyd	ria is	s able secrete HCl	upon
		stim	ulation with :			
		(a)	Dil. HCl	(b)	NH ₄ Cl	
		(c)	Histamine	(d)	All of these	
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	(B)	Answer the following in short:)							
		(a) Why antacid preparations are always used in combination								
		(b) Why thioglycolic acid is used in limit test for Iron?								
		(c) What is the difference between water for injection and sterile water	r							
		for injection ?								
		(d) Define protectives and adsorbents with examples.								
		(e) Define cations and anions with examples.								
	Atten	npt any two:								
	(a)	Explain the role of iron in body. Write in detail the preparation	,							
		properties and uses od ferrous sulphate.								
	(b)	Define antacid. Give its characteristics. Explain preparation, properties,								
		assay and uses of any one aluminium containing compound used as								
		antacid.								
(c)	(c)	Define purity and impurity. Explain in detail the different sources of								
	impurities in pharmaceutical substances.									
	Atten	npt any seven questions :								
	(a)	Explain limit test for lead.								
	(b)	Explain the electrolytes uses for replacement therapy.								
	(c)	Give the official procedure for limit test for sulphate.								

2.

3.

- (d) What are the uses of protectives and adsorbents? Give properties and uses of Bismuth subcarbonate.
- (e) Enlist buffer systems of body. Explain any two.
- (f) Write a short note on anticaries agents.
- (g) What is Cyanide poisoning? Explain its treatment.
- (h) Define and exemplify with mechanism the astringents.
- Write a note on half life and measurement of radioactivity.