Con. 5781-13.

DC-2018

(3 Hours)

[ Total Marks: 70

N.B. (1)	All the questions are comp	oulsory.
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(2) Draw diag	rams wherever necessary
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			Marks
Q.No1		Anguar the following brief	
A]	:>	Answer the following brief; Give an example of an antidote used in copper poisoning.	8
	i)		
	ii)	Explain the use of α-particles.	
	iii)	What do you mean by buffer capacity?	
	iv)	What is achlorhydria?	
	v)	Explain the function of hypophosphorous acid.	
	vi)	Talc can be used as filter aid/ protective agent. Explain	
	vii)	Explain radio-nucleotide purity.	
21	viii)	What is the role of fluoride in dental products?	4
3]	i)	What are the ideal properties of antacids?	4
	ii)	What is hyponatremia? What are the cause and symptoms of it?	
CI	11)	what is hypomaticinia? What are the cause and symptoms of it?	3
Cl	:\	Give an example of topical protective agent	3
	i)		
	ii)	What is miliequivalence?	
0.31.2	iii)	Give an example of gastrointestinal protective agent	
Q.No2		What are the side offerty of enterid thereas? How are seen as the side	
A)		What are the side effects of antacid therapy? How can you overcome the side	4
		effects?	
B)		Write a note on oxygen gas.	3
Cl		,	4
	i)	Write uses of H <sub>2</sub> Q <sub>2</sub> and KMinO <sub>4</sub> solutions.	
	ii)	Write note on cyanide poisoning and its treatment	
Q.No3			
A]		Write a note on iron-protein complexes.	2
B]		Discuss various types of dentifrices with example.	\$
C]	i)	Write a note on radiation dosimetery.	3
	ii)	Write a note on radioactive Fc.	2
Q.No4			1
A]		What are different methods of removing permanent hardness?	4
B]		Answer the following (any two)	4
	i)	What are the ideal properties of tablet diluent?	
ii) iii)	Explain the need of lubricant in a tablet.		
	What are the various parameters required for suspending agents?		
C]		What are applications of radio pharmaceuticals.s	3
Q.No5			
A]		Discuss the importance of copper and zinc as essential and trace ions.	4
Bj		Write in brief on various application of chelating agents.	4 3. 4
C]		Discuss water as universal solvent.	4
Q.No6			
A]		Answer the following (any two)	6
,	i)	Write a note on physiological role of potassium and phosphate.	•
ii)	Write a note on systemic alkalosis and measures to rectify.		
	iii)	What are essential and trace ions? Give examples.	
В	i)	Give the various mechanism of action of topical anti-infective agents.	3
D	ii)	Write a note on respiratory stimulants	2
	11)	write a note on respiratory stitutions	2