Sol-PC-I Sem-TT 17/12/15

QP Code: 21779

(3 Hours)

[Total Marks: 70

IV.D.		Draw diagrams who are compulsory.	
	2.	Draw diagrams wherever necessary.	
Q.1	Α .	Answer the following in brief	8
		i. What is the antidote used for copper poisoning.	
		ii. What is penetrability of various radiations of radioactive agents?	
		iii. What is the cause of permanent hardness?	
		iv. Explain the mechanism of action of magnesium sulphate as purgatives.	
		v. What is use of sodium metabisulphite.	
* ==		vi. How talc acts as a topical protective action?	
		vii. What do you mean by radionuclide purity?	
e ²		viii. What is the role of fluoride in the dental products?	
	В	Justify the following	. 4
		 Sodium hydroxide is preferred over potassium hydroxide for preparing salts of 	
		drugs	
		ii. Sodium carbonate cannot be used as antacid.	
	C	i. How do proteins act as physiological buffers?	3
		ii. How copper is stored and transported?	
		iii. Give an example of respiratory stimulant.	
Q.2	Α	Write a note on sterile water for injection IP.	4
	В	Describe any three conditions where oxygen gas is indicated.	3
	C	Write a note on	4
		i. Sclerosing agents	
		ii. Disodium EDTA.	
Q.3	Α	Explain different forms and storage and transport of iron-protein complexes.	2
	В	Write a note on anticaries agents.	4
	C	What are biological effects of radiations?	3
	D	Write a note on Co60 with respect to radiation(s) contted, its half-life, its uses and various.	2
_		compounds used as radiopharmaceuticals.	
Q.4	A	Enumerate various pharmaceutical buffers. What are their uses?	4
	В	What is meant by half-life of radiopharmaceuticals? Give its importance in clinical	3
		application.	
	C	Write notes on (any two)	4
		i. Preservatives	
		ii. Colorants	
0.5		iii. Antioxidants	
Q.5		Write a note on treatment of cyanide poisoning.	4
	В.	What are antacids? Describe various requirements of an ideal antacids.	3
0.5	С	What are electrolytes used in combination therapy? Explain any two in detail.	4
Q.6	A	Give the mechanism of action of sodium hypochlorite and silver nitrate.	3
	В	Discuss in detail the imbalance of iodine in body and its consequences.	. 2
	C	Write a note on (Any Two)	6
		 Different bases used for systemic effects. 	
		 Physiological role of chloride and bicarbonate. 	
		iii Colomina lotion	