B. PHARM /SEM-II CBSGS / P. C-I

18-4-16

Q.P.Code No. 525000

(3 Hours)

[Total Marks: 70

N.B.	(1) All questions are compulsory(2) Draw the diagrams wherever necessary.		
Q.1. (A) Answer the following (Any five) i) What is achlorhydria? ii) Give any two pharmaceutical buffers with their pH range iii) Give the average daily intake of Iodine iv) What is BAL? v) Explain the role of sodium nitrite as an antidote vi) Give an example of an astringent			
0.1. (1	B) Match the following		5
	A	В	
	Sodium fluoride	Principal Intracellular anion	
	Ammonium Carbonate	2-5 mg daily	
	Copper	Electrolyte	
	HPO ₄ -2	Smelling Salt	
	NaCl	Dentrifice	
	C) Answer in detail		
i) Discuss the disadvantages of use of sodium containing antacids			
ii) Discuss the effects on atomic mass and atomic number by emission of α , β and γ radiation with			
suitable example. 3			
Q.2. (A) Discuss the detailed mechanism of antimicrobial agents. Support your answer by giving suitable examples.			
Sultabl	e examples.		3
(B) Write short note (any four) i. Ideal properties of antacid iii. Oxygen as a inhalant v. Role of aluminium as a protective agent			8
Q.3. (A) What are radiopharmaceuticals? Give its applications with suitable examples			4
(B) Write a short note on "Electrolyte replacement therapy" with suitable examples			4
(C) Enlist different sources of fluoride and their application to prevent tooth decay.			3
Q.4. (A) Classify cathartics and elaborate on saline cathartics. Give suitable examples.			4
(B) W	rite a note on (any two)		4
i) adsorbents ii) antioxidant iii) suspending agent iv) lubricant			
(C) Discuss the role of radioactive iodine as therapeutic and diagnostic agent.			3
Q.5. (A) Define buffers. Explain buffer action using two suitable examples			4
Discus	s the role of copper and mar	Or nganese as an essential trace ions.	
(B)Giv	ve mechanism of action of th	e following (any four)	4
	i) Magnesium trisilicate,	ii) Ferrous fumarate, iii) Boric acid,	
	iv) Povidone iodine,	v) Milk of Bismuth	
(C) What are sequestering agents? Give the structure and role of disodium EDTA.			3
Q.6.(A) What are protectives? Explain the role of talcand calamine as protectives.			3
V(G) 7 1: 1 0: 1			2
i) Exp	ectorants ii) Emetics	s iii) Hypercalcemia iv) Systemic alkalosis	