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Printed pages: 02			Sub C	Sub Code: BP104T					
Paper Id:	5 0 0	4		Roll No.					
		(SEM I) 7 PHARMACH	B. PH THEORY EX EUTICAL IN	AMINATI					
Time: 3 Ho	ours	ww	w.aktuprevi/ SECT		per.in	Total .	Marks: 7	75	
1. Attem	pt <i>all</i> questi	ons as instruct	ed				1 x20 =	= 20	
a.	Define the	term impurity.							
b.		sidual solvents.							
c.		tructure of lead-	-dithizone con	plex.					
d.		limit test for ironprevent the precipitate of iron as Fe(OH) <sub>3</sub> NH <sub>3</sub> plution.							
e.	Choose the	e correct answe	er						
	In Bronstee	d-Lowry concep	ot acid is						
		oton donor							
	-	ectron donor							
	c. pro	oton accepter							
	-	ectron accepter							
f.		is major anic	on of ICF						
g.	State true	-							
	In White an	nd Vincent meth	nod sodium ch	loride is use	ed to adjus	st the pH	ſ.		
h.		dium chloride s		onic to plass	ma.				
i.		n the formula of							
j.		assay method			hloride				
k. l.		is an example c. odine is used as							
1.		tiseptic							
		idifying agent							
		otective							
		tioxidant							
m.		eutralizing capa		cid plane at	e least				
		meq. of HCl per meq. of HCl per	•						
		meq. of HCl per	•						
		meq. of HCl pe	•						
n.		artics should no							
	1	atients with card							
		tients with histo		ions					
		tients with low							
0.	-	tients with muse he following is			tector?				
0.		ional counter	not a type of g	as mica act					
	(b) G.M co								
		nductor detecto	r						
	· · /	ion chamber				www.	.aktupre	viousyearpaper.in	
р.		ot used as antid	ote						
		errous sulphate	ate						
		ctivated charcoa							
		odium nitrite	-						
q.		ement is correct	regarding the	handling a	nd storage	of radio	pactive m	aterials?	
-	(a) Radioad	ctive materials r	never be touch	ed with han	d				
	(b) Sufficie	ent protective cl	othing must b	e used while	e handling	the mat	erials		

- (c) Kept in suitable labeled container(d) All of the above
- Sodium metabisulfite is used as r.

- a. expectorant
- b. diuretic
- c. systemic acidifier
- d. antioxidant
- s. Emetics
  - a. Stimulate CTZ centre
  - b. Stimulate respiratory tract
  - c. Does not stimulate gastric tract
  - d. Does not stimulate CTZ centre
- t. State true or false
  - Potassium iodide is used as expectorant

# SECTION B

## 2. Attempt any seven questions of the following:

- a. Write in detail about the sources and types of impurities.
- b. Describe the limit test of iron.
- c. Explain the methods to adjust isotonicity.
- d. Write note on
  - i. Physiological Functions of sodium and potassium
  - ii. Zinc eugenol cement
- e. Write note on
  - i. Advantages of combination antacids
  - ii. Mechanism of antimicrobials
- f. Define
  - i. Haematinics
  - ii. Expectorants
- g. Write in detail about the pharmaceutical applications of radio-isotopes
- h. Discuss the assay methods for the following (any two)
  - i. Sodium chloride
  - ii. Ferrous sulphate
  - iii. Hydrogen peroxide
- i. Write notes on
  - i. Measurement of radioactivity
  - ii. History of Indian Pharmacopoeia

## SECTION C

## 3. Attempt any *two* questions of the following:

## a. Give General methods of preparation, properties and medicinal uses of any four compounds

- i. Calcium gluconate
- **ii.** Sodium fluoride
- **iii.** Ammonium chloride
- iv. Sodium bicarbonate
- v. Bentonite

## b. Give General methods of preparation, properties and medicinal uses of any four compounds

- i. Potassium permanganate
- **ii.** Copper sulfate
- iii. Ferrous gluconate
- iv. Zinc sulphate
- v. Sodium thiosulfate
- c. Write in detail the principle, apparatus and procedure for the limit test of Arsenic.

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 $2 \ge 10 = 20$ 

 $7 \ge 5 = 35$ 

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