## PHAR 632 Review Oct 9<sup>th</sup> Workshop

- 1. One mM of NaCl is equivalent to
  - a. One mOsmolar
  - b. Two mOsmolar
  - c. Half mOsmolar
  - d. Cannot tell as the volume is not identified
- 2. One mMole of NaCl in 500 mL is equivalent to
  - a. Half mOsmolar
  - b. One mOsmolar
  - c. Two mOsmolar
  - d. Four mOsmolar
- 3. One molar of dextrose has the same osmolarity as
  - a. Half molar of NaCl assuming complete dissociation
  - b. One molar of NaCl assuming complete dissociation
  - c. Two molar of NaCl assuming complete dissociation
- 4. The relation between the 2 quantities depends on the total volume.

Rx

Salol 300 mg

Camphor 150 mg
Kaolin 900 mg

M et div. ft. cap. (size 000) No. 3

Which of the following is correct regarding the above prescription?

- a. Each capsule has 300 mg salol
- b. Each capsule has 300 mg Kaolin
- c. Each capsule has 50 mg Camphor
- d. The total capsule content weight is 300 mg
- e. B and C
- f. All of the above
- 5. Rx

Miconazole 6 g

Corn Starch

Talc aa QS AD 100 grams

Dispense 75 g

If the specific gravity of the powder is 1.2, what size container would you pick?

- a. 1 fl oz
- b. ½ fl oz
- c. 2 fl oz
- d. 3 fl oz

6. Rx

Miconazole 6 g

Corn Starch

Talc aa QSAD 100 grams

Dispense 75 g

What is the percentage strength of miconazole in the final prescription?

- a. 6%
- b. 8%
- c. 10%
- d. 12%
- 7. Rx

Miconazole 6 g

Corn Starch

Talc aa QSAD 100 grams

Dispense 75 g

How much talc do you need to fill the prescription?

- a. 47 mg
- b. 35.25 mg
- c. 100 mg
- d. 75 mg
- e. Cannot be calculated
- 8. What is the ratio strength of 100 mg of drug A is dissolved in 100 mL of hydroalcoholic solution?
  - a. 1:1

d. 1/1000

b. 1/10

e. 1/10000

- c. 1/100
- 9. What is the concentration of solution containing 0.294g/ml of calcium chloride (CaCl<sub>2</sub>.2H<sub>2</sub>O)? (MW=147)
  - a. 1mEq/ml

c. 6mEq/ml

b. 2mEq/ml

- d. 4mEq/ml
- 10. The following represents an RBC in hypertonic solution

Cell







11.	How m	nany mEq of Mg <sup>2+</sup> ions are there in 5 mL of 20 mg	% N	lagnesium chloride? ( Atomic
	weight	Mg =24, Cl=35.5)		
	a.	10 mEq	e.	420 mEq
	b.	21 mEq	f.	672 mEq
	C.	33.6 mEq	g.	3200 mEq
	d.	50.4 mEq		
12	\//ha+ i	s the concentration of KCl in mg/ ml of the soluti	on 2	Mart VC  71 E
12.		s the concentration of Kerlin high fill of the soldtr	OH	
	a. b.	1.5 mg/mL		20 mEq 2
		_		Potassium 3
		4470 mg/mL		Chlarida
		15 mg/mL		(20 mEg/L) Potassium Chloride in
12		0.75 mg/mL		Lactated Ringer's and 5% Dextrose Injection USP
13.		lution in the picture is		5
	a. <sub>I-</sub>	Hypertonic		1000 mL  EACH 100 mL CONTAINS 5 g DEXTROSE HYDROUS USP 600 mg SODIUM CHLORIDE USP 310 mg SODIUM LACTATE 179 mg POYASSUM CHLORIDE USP 20 mg CALDIUM CHLORIDE USP PH F
	b.	Isotonic		5.0 (3.5 to 6.5) mEq/L Sodium 130 Potassium 24 U GALCIUM 3 CHLORIDE 129 LACTATE 28 HYPERTONIC OSMOLARRY 565 mOSMOVI. (CALC). STERILE NONPYROGENIC
	C.	Hypotonic		SINGLE DOSE CONTAINER NOT FOR USE IN THE TREATMENT OF LACTOR ADDOSES ADDITIVES MAY SE INCOMPATIBLE. CONSULT WITH PHARMACIST IF AVAILABLE. WHEN INTRODUCING ADDITIVES USE ASSPIRE TECHNIQUE. MAY THOROUGHLY. DO NOT STORE DOSAGE INTRAVENOUSLY AS DIRECTED BY A PHYSION. SEE DIRECTION.
14.	Кx			CAUTIONS SQUEEZE AND INSPECT INNER BAG WHICH MAINTAINS PRODUCT STERILITY DISCARD IF LEAKS ARE FOUND MUST NOT BE
		Miconazole 2 g		SIMULTANEOUSLY WITH BLOOD DO NOT USE UNLESS SOLUTION IS CLEAR RX ONLY STORE UNIT IN MOISTURE BARRIER OVERWRAP AT
		Corn Starch		ROOM TEMPERATURE (25°C/77°F) UNTIL READY TO USE AVOID 8 EXCESSIVE HEAT SEE RISERT  VIAFLEX PLUS CONTAINER PL 146 PLASTIC BAXTER VIAFLEX AND PL 146 ARE TRADEMARKS OF
		Talc aa QS 100 gram		BAXTER INTERNATIONAL INC FOR PRODUCT INFORMATION 1-800-933-0303
		M ft pulv DTD 200 g		BAXTER HEALTHCARE CORPORATION DISTRIBUTED IN CAMADA BY
	How m	nuch talc do you need to fill the prescription?		
	a.	196 grams		
	b.	198 grams		
	С.	98 grams		
	d.	100 grams		
15.	The fo	lowing solutions are isotonic		
	a.	Normal Saline		
	b.	Dextrose 5% in water.		
	C.	A solution with dextrose 2.5% and NaCl 0.45%		
	d.	A and B		
	e.	All of the above		
4.6		DEM IN IGHT TO THE		
		D5W and Normal Saline are isotonic, then one g	ram	of dextrose is equivalent (in
		of isotonic effect) tog of NaCl		
	a.	5		
		0.18		
	С.	0.2		
		1		
		1.1		
	f.	2		

17. One mole of NaCl with 90% dissocia	ation will result inmole of particles			
a. 0.9 b. 1.8 c. 1.9  18. Rx Procaine hydrochloride 1.5% Benzalkonium chloride 1:1000 Boric acid Qs SWFI QSAD 50 mL How much Boric acid would you ne	E 0.12 0.13 0.52 ed to fill the prescription?			
a. 0.9 g b. 0.35 g c. 0.68 g  19. Rx  Procaine hydrochloride 1.5%  Benzalkonium chloride 1:1000  Boric acid Qs  SWFI QSAD 50 mL  How much Benzalkonium chloride v	d. 0.5 g e. 0.2 g  E 0.12 0.13 0.52  vould you need to fill the prescription?			
0.05 g 0.1 g 20. 0.5 g 0.2 g 0.01 g  21. Which of these Rx have the same capsule composition?  1- Rx Salol 300 mg Camphor 150 mg Kaolin 900 mg Met div. ft. cap. (size 000) No. 3  2- Rx Salol 300 mg Camphor 150 mg Kaolin 900 mg Met ft. cap. (size 000) No. 3  3- Rx Salol 300 mg Camphor 150 mg Kaolin 900 mg Met ft. DTD cap. (size 000) No. 3  18 2 1, 2, 3 18 3 none 28 3				

22. A pediatric patient is ordered 3 mEq/ kg/ day. If the patient is 17 lb, how many mL of a 23.4% NaCl would be needed?