

proficiency test pg 244

Natalie Z.

$$1a.) a.) \frac{1000}{150} = 6.6 = \underline{7 \text{ hrs}}$$

$$b.) \frac{10 \text{ gtt}}{\text{mL}} \times \frac{150 \text{ mL}}{\text{hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} = \underline{25 \text{ gtt/min}}$$

$$\frac{60 \text{ gtt}}{\text{mL}} \times \frac{150 \text{ mL}}{\text{hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} = \underline{150 \text{ gtt/min}}$$

c.) macro drip tubing

$$2.) \frac{10 \text{ gtt}}{\text{mL}} \times \frac{100 \text{ mL}}{4 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} = \underline{3 \text{ gtt/min}}$$

$$\frac{60 \text{ gtt}}{\text{mL}} \times \frac{100 \text{ mL}}{4 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} = \underline{17 \text{ gtt/min}}$$

d.) micro drip tubing3.) set the IV pump to infuse 150 mL

$$b.) \frac{15 \text{ gtt}}{\text{mL}} \times \frac{150 \text{ mL}}{3 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} = \underline{13 \text{ gtt/min}}$$

$$\frac{60 \text{ gtt}}{\text{mL}} \times \frac{150 \text{ mL}}{3 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} = \underline{50 \text{ gtt/min}}$$

c.) macro drip tubing

$$4.) \frac{500 \text{ mL}}{24 \text{ hrs}} = \underline{21 \text{ mL/hr}}$$

Volume to infuse: 500 mL

5.) amount: 250mL time: 1hr
IV fluid: DSW

$$b.) \frac{10 \text{ gtt}}{\text{mL}} \times \frac{250 \text{ mL}}{1 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} = \underline{42 \text{ gtt/min}}$$

6.) 5mL of aminophylline

$$b.) \frac{40 \text{ gtt}}{\text{mL}} \times \frac{250 \text{ mL}}{8 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} = \underline{31 \text{ gtt/min}}$$

$$7.) \frac{125}{2500 + 300} \times \frac{75}{4} = \underline{2800 \text{ mL}}$$

8.) 90mL/hr

$$b.) \frac{1000}{90} = \underline{11 \text{ hrs}}$$

$$9.) 0.5 \text{ g} = 500 \text{ mg} / 500 \text{ mL} = 1 \text{ mg/mL} = \underline{50 \text{ mg}}$$

10.) type: DSW amount: 75mL time: 60min
- remove 25 from
100 mL bag.

b.) Set at 75mL/hr aseptically
for 60min

$$11.) 150 \times 0.75 = \underline{112.5} \text{ of Isocal}$$

$$150 - 112.5 = \underline{37.5} \text{ of water}$$

$$12.) 500 \times 0.5 = \underline{250} \text{ of Vivonex}$$

$$500 - 250 = \underline{250} \text{ of water}$$

13.) $400 \times 0.25 = \underline{100}$ of osmolyte

$400 - 100 = \underline{300}$ of water

W.) 500ml 180cal
no water

Self Test 1

Natalie Z.

1.) $\frac{800 \text{ units}}{1 \text{ hr}} \times \frac{250 \text{ mL}}{25,000 \text{ units}} = \frac{8 \text{ mL}}{\text{hr}}$

a.) 8 mL/hr b.) $\frac{250 \text{ mL}}{8 \text{ mL}} = 31.25 = \underline{31 \text{ hrs}}$

2.) $\frac{100 \text{ mL}}{1 \text{ hr}}$

3.) $\frac{24 \text{ g}}{24 \text{ hr}} \times \frac{1000 \text{ mL}}{24 \text{ g}} = \underline{4.2 \text{ mL/hr}}$

4.) $\frac{10 \text{ mg}}{\text{hr}} \times \frac{100 \text{ mL}}{125 \text{ mg}} = \underline{8 \text{ mL/hr}}$

5.) $\frac{4 \text{ mg}}{\text{hr}} \times \frac{100 \text{ mL}}{100 \text{ mg}} = \underline{4 \text{ mL/hr}}$

6.) $\frac{15 \text{ g}}{\text{hr}} \times \frac{250 \text{ mL}}{125 \text{ g}} = \underline{30 \text{ mL/hr}}$

a.) 30 mL/hr b.) $\frac{250}{30} = \underline{8 \text{ hrs}}$

7.) $\frac{250 \text{ mL}}{24 \text{ hr}} = \underline{10 \text{ mL/hr}}$

8.) $\frac{1200 \text{ g}}{\text{hr}} \times \frac{500 \text{ mL}}{25,000 \text{ g}} = \underline{24 \text{ mL/hr}}$

a.) 24 mL/hr b.) $\frac{500}{24} = \underline{21 \text{ hrs}}$

$$9.) \frac{23\cancel{\mu}}{\text{hr}} \times \frac{250\text{mL}}{250\cancel{\mu}} = 23\text{mL/hr}$$

$$a.) \underline{23\text{mL/hr}}$$

$$b.) \frac{250}{23} = \underline{11\text{hrs}}$$

$$10.) \frac{100,000\cancel{\mu}}{\text{hr}} \times \frac{250\text{mL}}{750,000\cancel{\mu}} = \underline{33\text{mL/hr}}$$