Practice question 1. $\frac{350mg}{25mL}$ = 14mg of ceftriaxone in each mL, yes!

[14mg/mL]

2. Ranitidine 18mg
mixed in: 10mL normal saline

=1.8mg of ranitidine in each mL.

[1.8mg/mL]

3. 200-300mg/kg/24hrs in equally divided doses every 4-6hrs

200x30 = 6,000 300x30 = 9,000

every 4hrs: 1000mg (B.) 1,200mg every 4hrs
every 6hrs: 1500mg

4. Pt: 20kg, 5years old

Prescribed: 1,000mg of ceftriaxone daily [1gram daily]

Recommend dose: 50 to 75mg/kg of body wt in 24hrs

20kg x50 = 1,000mg/day , 20x75 = 1,500mg/day

yes.

5. 20kg, 5 year old

Prescribed: 700mg of ceftriaxone, BID = 1400mg

Recommended: 50-70mg/kg

20 x 50 = 1,000 20 x 70 = 1,400

yes.

6. 30kg x 40mg/kg/24hrs = 1200

(B.) 400mg every 8hrs

Q6 = 300
Q8 = 400
Q12 = 600

7. 50mL/hr

Slide 18

80+90mg/kg/day ÷ every 12hrs
Amoxicillin suspension 250mg/5mL

6.5kg x 40 = 260 , 6.5kg x 45 = 292.5

$\frac{250mg}{5mL} = 50mg/mL$ 50mg = 1mL, 275mg $\frac{275}{50} = 5.5mL$

Slide 19 - C.

Slide 20. A.
- administer the medication at 50ml/hr

Slide 21. $\frac{10mg}{50mL} = 0.2mg/mL$ / 10mg x 3 = 30mg/daily
minimum = 30 x 3 = 150ml
maxium = 100mL/hr
C.