

Samples of exams questions

1. Answer the following:
 - a. Write 1906 in roman number.
 - b. Convert 60 C° to F°
 - c. Write LXXXVII in Arabic number..
 - d. Reduce 5 qt to f3.
2. If the recommended dose of tobramycin for premature infant is 6 mg/kg/day divided into three equal doses administered every 8 hrs, how many milligrams of the drug should be given every 8 hours to 2.2 lb infant.
3. What is the change in pH with addition of 0.01 hydrochloric acid to a liter of buffer solution containing 0.05 M of ammonia and 0.05 M ammonium chloride? K_b of ammonia is 1.8×10^{-5} at 25 °C.
4. Calculate the E value for holocaine hydrochloride, if 6.7 mL of water will produce an isotonic solution from 0.3 g of drug substance.
5. Four equal amounts of belladonna extract, containing 1.15%, 1.3%, 1.35% and 1.2% of alkaloids, respectively, were mixed. What was the percentage strength w/w of the mixture?
6. If a liquid medicine to be taken three times daily, and if 180 mL are to be taken in 4 days, how many tablespoonful should be prescribed for each dose?