PEBC PHARMACIST QUALIFYING EXAMINATION – PART I

REFERENCE SHEET

The following information is for reference purposes and does not require any answers from the candidate.

Legend

$t_{1/2} = \text{half} - \text{life}$

$k_e = \text{elimination rate constant}$

$D = \text{dose}$

$R_0 = \text{infusion rate}$

$$C_{ss} = \frac{R_0}{k_e V_d}$$

$$C_{pk} = \frac{D}{V_d(1 - e^{-k_e t})}$$

$$t_{1/2} = \frac{0.693}{k_e}$$

$$C_1 = C_0(e^{-k_e t})$$

$$CrCl \ (mL/min, male) = \frac{[(140 - age) \ x \ actual \ body \ weight \ (kg) \ x \ 1.2]}{serum \ creatinine \ (\mu mol/L)}$$

$$CrCl \ (mL/min, female) = 0.85 \ x \ CrCl \ (male)$$

$$BMI = \frac{weight \ (kg)}{height^2 \ (m^2)}$$