

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Human Biology II

Subject Code : CCN2234

Session : Semester Two, 2017/18

Numerical Answers

Question B3

(b) *Formula*

$$\text{GFR} = \frac{\text{(Rate of Urine Excretion of Cr)}}{\text{(Plasma Concentration of Cr)}}$$

Calculation

Amount of urine creatinine

$$(a) = 10 \text{ mg/l} \times 60 \text{ ml/min} = 36 \text{ mg/hour}$$

$$(b) = 10 \text{ mg/l} \times 15 \text{ ml/min} = 9 \text{ mg/hour}$$