

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : General Microbiology

Subject Code : CCN2232

Session : Semester Two, 2013/14

Numerical Answers

Question B4

$$\begin{aligned}t &= \frac{g \log (\text{final}/\text{initial})}{\log 2} \\ &= 29 \log (1,000,000/1000) / \log 2 \\ &= 289 \text{ min} \\ &= 4.82 \text{ hrs}\end{aligned}$$