

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Analytical Chemistry

Subject Code : CCN2261

Session : Semester Two, 2016/17

Numerical Answers

Question B1

(a) Molarity of NaOH = 0.14 ± 0.08 M

Question B4

(a) pH = 5.08

Question B5

[Y] = 0.0995 M

Question C1

(a)(i) [Nitrite] = 11.97 μ M

(a)(ii) [Q] = 8.43×10^{-5} M

Question C2

(a)(i) pH = 2.40

(a)(ii) pH = 3.82

(a)(iii) pH = 8.59

(a)(iv) pH = 12.22