

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Introduction to Probability and
Statistics

Subject Code : CCN1050

Session : Semester Two, 2017/18

Numerical Answers

Question B1

- (a)(i) 2.95
- (a)(ii) 18.23
- (a)(iii) 24.135
- (b)(i) When $a = 2$ and $b = 9$
range = 37
- (b)(ii) $a = 6$; $b = 5$
Mode: 6, 25
- (b)(iii) 22

Question B2

- (a) 6
- (b) 120
- (c) 2.8
- (d) 16.67%
- (e) At least 87.74%

Question B3

- (a)(i) 0.12
- (a)(ii) 4 and 2,4
- (b)(i) 0.43
- (b)(ii) 4.8
- (c)(i) 10
- (c)(ii) 0.029

Question B4

- (a) 0.0495
- (b)(i) 8
- (b)(ii) 1.5
- (c)(i) 0.25
- (c)(ii) 0.082

Question C1

- (a)(i) 1024

- (a)(ii) 210
- (b)(i) 0.0984
- (b)(ii) 0.8051

Question C2

- (a) (0.1073, 0.1527)
- (b) (0.0004, 0.0024)
- (c) 274
- (d) 0.02
- (e) 0.0044