

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Elementary Statistics

Subject Code : CCN1028

Session : Semester One, 2017/18

Numerical Answers

Question B1

- (a)(i) 1.8
- (a)(ii) 17.5
- (a)(iii) 17.55
- (a)(iv) 3
- (a)(v) 10
- (b)(i) Min = 14, Q1=15.5, Q2=19.5, Q3=23, Max =24.5

Question B2

- (a)(i) 41.7
- (a)(ii) 11.3

Question B3

- (a)(i)

X	0	1	2
P(X)	0.1	0.6	0.3
- (a)(ii) $E(X) = 1.2, \sigma^2=0.4$
- (b)(i) 120
- (b)(ii) 0.067

Question B4

- (a) 35
- (b) $41.78 < \mu < 50.22$
- (c) 736

Question B5

- (a) 0.1327
- (b) 37.2
- (c) 45.8

Question C1

- (a)(i) -0.74, -2.73
- (a)(iii) 0.7704
- (b)(i) 75
- (b)(iii) 6.32
- (b)(iv) 1.87

Question C2

- (a)(i) 0.946
- (a)(ii) 3.3
- (a)(iii) 0.356
- (b)(i) 0.35
- (b)(iii) 1.20
- (b)(iv) 0.8849