

THE HONG KONG POLYTECHNIC UNIVERSITY  
HONG KONG COMMUNITY COLLEGE

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**Subject Title** : Elementary Statistics

**Subject Code** : CCN1028

**Session** : Semester Two, 2017/18

**Numerical Answers**

**Question B1**

- (a)(i) 11
- (a)(ii)  $57 - 67$
- (a)(iii)  $56.5 - 67.5$
- (b) 55
- (c) Min=35, Q1=55, Q2=65, Q3=75, Max=95

**Question B2**

- (a)(i) 14.78
- (a)(ii) 29.63
- (a)(iii) 37%

**Question B3**

- (a) 20160
- (b) 0.1999
- (c)(i) 0.1526
- (c)(ii) 0.0080

**Question B4**

- (a) 55
- (b)  $35.41 < \mu < 41.59$
- (c) 107

**Question B5**

- (a) 0.5987
- (b) 0.9772
- (c) 5.85

**Question C1**

- (a)(i) 0.65
- (a)(iii) -1.29

- (a)(iv) 0.0985
- (b)(i) 0.63
- (b)(ii) 0.7765
- (b)(iii) 0.9
- (b)(iv) 0.1546

**Question C2**

- (a)(i) 1.41
- (a)(iii) 1.96
- (a)(iv) 2.83

(b)(i)

|      |       |       |       |
|------|-------|-------|-------|
| X    | 0     | 1     | 2     |
| P(X) | 0.429 | 0.476 | 0.095 |

- (b)(ii) 0.7
- (b)(iii) 0.4
- (b)(iv) 60