

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Probability Distributions

Subject Code : CCN2286

Session : Semester Two, 2014/15

Numerical Answers

Question A1

- (a) 0.48
- (b) 0.24
- (c) 0.3
- (d) 0.88
- (e) 0.3684

Question A2

- (a) 0.0367
- (b) 30
- (c) 0.0325

Question A3

- (a)(i) 7.88
- (a)(ii) 0.9151
- (b)(i) 0.0042
- (b)(ii) 0.9956

Question A4

- (a) 0.0407
- (b) 0.0007
- (c) 0.9986

Question A6

- (a) 3.97; 3.90; 3.77; 1.02

Question B1

- (a) 187.2
- (b) 5421.8
- (d) 15.9
- (e) 81.0

Question B2

- (a) 0, 0.2240; 1, 0.4480; 2, 0.2688; 3, 0.0560; 4, 0.0033
- (b) 1.17; 0.72
- (c) 2.87
- (d)(i) 1.17; 0.83
- (d)(ii) 8.17; 18.94
- (d)(iii) 0.3336

Question B3

- (a) 0.9817
- (b) 0.5665
- (c) 0.9862
- (d) 0.0656
- (e) 0.7143