

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Probability Distributions

Subject Code : CCN2286

Session : Semester Two, 2015/16

Numerical Answers

Question A1

- (a) 0.45
- (b) 0.8182

Question A2

- (a) 0.0250
- (b) 0.0006
- (c) 0.9608

Question A4

- (a) 0.2
- (b) 30; 412.5
- (c) 64735.1
- (d) 8.3; 4.7

Question A5

- (a) 0.3374
- (b) 11440

Question A6

- (a) 6.2679
- (b) 0.9316
- (c) 0.0714
- (d) 0.75

Question B1

- (a)(i) 0.26
- (a)(ii) 0.625
- (a)(iii) 0.2602
- (b)(i) 0.25; 0.3
- (b)(ii) 0.45
- (b)(iii) 149.25
- (b)(iv) 1214524

Question B2

- (a) 5.02; 4.1; 3.1
- (c) 2.83; 56.31%
- (d) 2.6; 2.4-4.9, 22; 5.0-7.5, 4; 7.6-10.1, 3; 10.2-12.7, 0; 12.8-15.3, 1
- (e) 4.86; 2.44

Question B3

- (a)(i) 393.7
- (a)(ii) 531.50
- (b)(i) 0.0527
- (b)(ii) 0.1484
- (b)(iii) 0.9983
- (b)(iv) 0.7127