

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Inferential Statistics

Subject Code : CCN2287

Session : Semester Two, 2014/15

Numerical Answers

Question 1

- (a) 17.7
- (b)(i) 0.0202
- (b)(ii) 0.0404
- (c) 0.8462

Question 2

- (c) (0.2087, 0.7913)

Question 3

- (a) p-value = 0.0098
- (b)(i) test statistic = 116.2531
- (b)(ii) 0.4

Question 4

- (a) test statistic = 117.4641
- (b) 19.8514
- (c) (0.1141, 0.2859)

Question 5

- (a) p-value = 0.7266
- (b) test statistic = 11.5470
- (c) (1.7810, 18.2190)

Question 6

- (a)(i) test statistic = 1.75
- (a)(ii) (3.4641, 6.4282)
- (b) (1100247.328, 1126312.672)