

THE HONG KONG POLYTECHNIC UNIVERSITY  
HONG KONG COMMUNITY COLLEGE

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**Subject Title** : Statistics for Business II      **Subject Code** : CCN2244

**Session** : Semester Two, 2013/14

**Numerical Answers**

<b>Question 1(a)</b> 46.5429
<b>Question 1(b)(i)</b> 0.0222
<b>Question 1(b)(ii)</b> 0.3222
<b>Question 1(c)</b> 0.0982
<b>Question 2(b)</b> $t = 2.8361$
<b>Question 2(c)</b> 16.37% and 83.63%
<b>Question 3(a)</b> $a = 82.6433$
<b>Question 3(b)</b> 0.093
<b>Question 3(c)</b> 102.5955
<b>Question 4(a)</b> 67.46221

<b>Question 4(b)</b> 0.464689
<b>Question 4(c)</b> $0.2092 \pm 0.06757$
<b>Question 5(a)</b> 0.0654
<b>Question 5(b)</b> 2.1693
<b>Question 5(c)</b> 1.4715 to 12.5285
<b>Question 6(a)(i)</b> 1.96
<b>Question 6(a)(ii)</b> $1.9499 < \sigma < 3.5440$
<b>Question 6(b)</b> $4412.1309 < N\mu < 5587.8691$