**BAMS1613 Answers**

**October 2021**

Q1.  a)  Mean = 352.318 RM, standard deviation = 217.931 RM

  b)  $Q_1 = $ 187.167 RM, $Q_3 = $ 465.5 RM

  c)  278.333 RM

  d)  Mode = 288.5 RM

Q2.  a)  (i)  0.0082

  (ii)  0.08044

  (iii)  6693.985

  b)  (i)  0.06197

  (ii)  0.1922

  c)  (i)  0.73015

  (ii)  0.0630

Q3.  a)  (0.5247,0.6579)

  b)  (3.2348,3.7652) kilobits per second

  c)  z= −1.3105,  reject $H_0$.

  d)  z= -1.996, do not reject $H_0$.

Q4.  a)  (i)  0.79525

  b)

  (ii)  the age of the car increases by one year, the price of the car would decrease by RM9636.

  (iii)

  (iv)