BAMS1613 May 2022 Answers

(iii)

(iv)

y = 65.1426 + 0.3852x

82.4766

accurate.

Q1. a) Population: All durian trees in the orchard. Sample: None Variable of interest: Quantitative continuous b) (i) 36.25 cm 31.82% c) Mean = 397.73 cm, Median = 391.25 cm, Standard deviation = 69.3795 cm Q2. a) (i) 0.087 (ii) 3.36, 1.396 (ii) 0.5714 b) 0.2327 (i) (ii) 20.75076 ml c) (i) 0.1992 (ii) 1 Q3. (i) 58700, 576.31 a) (ii) 0.01191 b) (71.48, 78.92) z=-4.6953, reject H₀. c) d) z=-2.90474, reject H₀. Q4. x=36, y=29a) (i) (ii) 0.7073 (iii) The two events are not mutually exclusive. (iv) The two events are not independent. b) (i) Independent variable: Age (in year) Dependent variable: Glucose level (ii) r = 0.5298.

This is an interpolation estimate, the prediction is reliable and