QUIZ 4 BUM2413, APPLIED STATISTICS, SEM II 2013/2014

MATRICNO .: CB13006

SECTION: 10 L

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1. In the past, the mean calling time to customers to a computer help-line has been 18 minutes. The computer company conducts a training scheme for its telephone consultants with the intention of reducing this calling time. After the training scheme, a sample of 35 calling times had a sample mean of 16.3 minutes with standard deviation of 5 minutes.

(10 Marks)

(a) Extract important information from the statement above by using the correct notations.

(b) Is there sufficient evidence that the training scheme has been successful at  $\alpha = 0.05$ ?

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$$\frac{2101}{5} = \frac{16 \cdot 3 - 18}{5 \sqrt{35}} = -2.0115$$

STEP3: X = 0.05 The tost is left build tost here the cottos verily Zo 5 = THE.

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Ship 5" Therefore, there is no sufficient evident that the training she me has