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Quiz 1

BUM2413 Applied Statistics, Sem II 2013/2014

MATRIC NO.: CB13006

SECTION: 10 G

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Question 1. (1 point) Circle your answer.  
Parameter is

- (a) a number resulting from the manipulation of sample data.
- (b) a subset of a population.
- (c) a characteristic of a population which is measurable.

Question 2. (2 points)

For each statement, decide whether descriptive or inferential statistics is used

- (i) The Malaysian population in 2011 is 27 millions. Answer: Descriptive statistics
- (ii) A study highlights that carry marks is related to how well students perform in the final exam. Answer: Inferential statistics

Question 3. (2 points)

Circle your answer: {Simple random, Stratified, Systematic, Cluster}

A survey was mailed to a total of 400 students from four groups (freshman, sophomore, junior, senior). 100 were selected from all of freshman and sophomore groups. Identify the sampling method used in the question.

Question 4. (3 points)

A quality-control technician selects sample of items produced from an assembly line and records the following information:

A: the employee number in the assembly line ; B: weight of the item

- (i) Population under study is All items produced from an assembly line
- (ii) Level of measurement for variables { nominal, ordinal, interval, ratio }  
A: nominal ordinal nominal  
B: ratio

Question 5. (2 points)

State two reasons why sample is used in the statistical analysis.

1. to collecting the data with the different type of sample, used.
2. describe sample characteristics.
3. respondent are able to change the data selected.