



Handwritten notes: 20/10/18, 20/10/18

final Exam Of Second Semester 2017- 2018

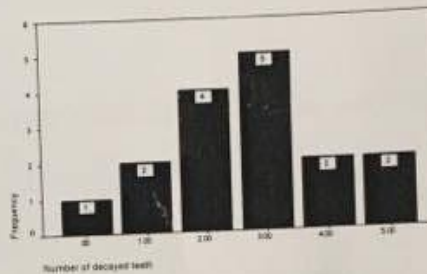
**Q1: Define the Following Scientific Terms:-**

Parameter , biostatistics , variance , data , variable , sample

Q2 / List, describe and give examples of variable types .

Q3 /A- Suppose that we take a sample of size 16 from children in a primary school and get the following data about the number of their decayed teeth 3,5,2,4,0,1,3,5,2,3,2,3,3,2,4,1 . Construct a frequency table, relative frequency, cumulative relative frequency, histogram .

B- Find the mean and the mode for the following bar chart ?



Q4 / in a study of fingerprints, an important quantitative characteristic is the total ridge count for the 10 fingers of an individual. Suppose that the total ridge counts of individuals in a certain population are normally distributed with mean of 140 and standard deviation of 50 find the probability that an individual will have a ridge count of:

- a- Less than 100
- b- More than 200
- c- Between 100 and 200
- d- Between 200 and 250

Q5 / medical COM performed a 6 years retrospective review of 102 women undergoing radical hysterectomy for cervical or endometrial cancer. Catheter-associated urinary tract infection was observed in 10 of the subjects. Below are the numbers of postoperative days until diagnosis of the infection for each subject experiencing an infection.

48 13 8 17 6 19 13 13 20 16 Find out: CV .

With the very Best wishes

Handwritten signature  
Head of department

Handwritten signature: Dr. Salim Y.

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Examiner  
Khalid Hasan aljasmee