

TAKORADI TECHNICAL UNIVERSITY
DEPARTMENT OF INDUSTRIAL AND HEALTH SCIENCES
2028/2029 ACADEMIC YEAR
PROFESSIONAL DIPLOMA IN SCIENCE LAB. TECHNOLOGY
MID-SEMESTER EXAMS - ~~APRIL 2029~~

45 mins
 TIME: 1 HOUR

BASIC STATISTICS

ANSWER ALL QUESTIONS

Ques 1.

- (a) What is Statistics?
 (b) Differentiate between "Descriptive Statistics" and "Inferential Statistics"

Ques 2.

Briefly explain ^{TWO} ways in which Statistics can be used or applied in the Medical field.

Ques 3

ASSIGNMENT

- (a) What is data? Differentiate between Primary Data and Secondary Data. Give examples
 (b) State one source of secondary data and one source of primary data.
 (c) State three dangers of using secondary data

Ques 4

Differentiate between Nominal data and Ordinal data. Give examples

Ques 5

The following information gives the proportion in which Sunsum, a worker, spends his annual salary.

Food 30% Income Tax 20% Rent 15% Savings 5%
 Transport 7.5% Miscellaneous 22.5%

- (a) Draw a pie chart to illustrate the information
 (b) If Sunsum's annual salary is GH¢8,000.00,
 Calculate the amount he spends on Food.

4)

Marks	3	4	5	6	7	8
Frequency	5	x	$x+1$	9	4	1

The table above gives the frequency distribution of the marks obtained by students in a test. If the mean mark is 5, calculate the value of