UNIVERSITY OF JAFFNA, SRI LANKA

FACULTY OF ALLIED HEALTH SCIENCES

FIRST YEAR FIRST SEMESTER EXAMINATION IN BPharmHons 2020 PHABS1131 BASIC STATISTICS

Date: 15.02.2022

Time: 01 hours

Answer all questions.

1. 1.1 Define the term:

1.1.1 Variable

(05 Marks)

1.1.2 Population

(05 Marks)

1.2 Distinguish the

1.2.1 statistics and parameter

(10 Marks)

1.2.2 inferential statistics and descriptive statistics

(10 Marks)

1.3 Answer the following questions with given table

A O B B AB	7 6 8 22	Normal Mild Mild Moderate	98.9 102.6 102.0	1 2 2
B B	8 22	Mild	102.0	
В	22			2
	20	Moderate	00.5	The second second
AB	4.4		99.5	1
1	14	Normal	100.3	2
0	19	Severe	98.3	2
В	20	Mild	100.5	2
O	14	Normal	98.8	2
A	20	Moderate	98.6	1
0	9	Moderate	99.5	2
A	20	Normal	98.9	2
0	23	Moderate	98.4	2
AB	21	Severe	101.8	1
0	19	Normal	100.1	2
A	13	Mild	98.0	2
	O A O A O AB O	O 14 A 20 O 9 A 20 O 23 AB 21 O 19	O 14 Normal A 20 Moderate O 9 Moderate A 20 Normal O 23 Moderate AB 21 Severe O 19 Normal	O 14 Normal 98.8 A 20 Moderate 98.6 O 9 Moderate 99.5 A 20 Normal 98.9 O 23 Moderate 98.4 AB 21 Severe 101.8 O 19 Normal 100.1

Pain is measured in 3 point Likert scale, Income level 1-average 2-Rich

1 1	Name type	of coals	hear ac	to mancura	anch	wariable
1.4	maille type (or Scare	es useu	to measure	cacii	variable.

(10 Marks)

1.5 Calculate the central tendency of each variable?

(20 Marks)

1.6 Calculate the standard deviation of age?

(10 Marks)

1.7 Draw most appropriate one graph for blood group and body temperature.
Fifty (250) students' average chemistry marks and standard deviation are 65 and 17.5, respectively. Assume the marks are distributed normally. Normal distribution table (Z table) is given.
2.1 What is the 50th percentile value of students marks and give the reason for the calculation.
2.2 Calculate the z value for the passing the chemistry. Consider pass mark as fifty (50).
(15 Marks)

2

2.3

(25 Marks)

Calculate the number of students obtain more than 85 marks.