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UNIVERSITY OF JAFFNA, SRI LANKA  
UNIT OF ALLIED HEALTH SCIENCES  
FIRST YEAR SECOND SEMESTER EXAMINATION – February 2018  
AHSBS1211 BASIC STATISTICS

Date: 20.02.2018

Time: 02 hours

Answer all questions.

1 A reached recorded the 50 patients gender and age are given in table one

Age of the Patients (years)	
Male	Female
35	13
47	50
48	20
16	30
14	48
23	27
33	37
50	24
26	48
4	15
50	10
47	7
16	12
42	33
23	46
10	25
24	18
31	48
8	19
39	42
24	15
20	43
29	12
--	39
--	10
--	11
--	2

- 1.1 What type of scale used in each variable? (20 Marks)
  - 1.2 Calculate the central tendency of each variable? (30 Marks)
  - 1.3 Present the data in graph and table for each variable? (50 Marks)
- 2 Assume a normal distribution 30 students marks with a mean of 70 and a standard deviation of 12.
- 2.1 What is the marks range that includes the middle 65% of the students? Explain. (30 Marks)
  - 2.2 What is the median marks of the students? (20 Marks)
  - 2.3 Find the z score for the marks of 88? (30 Marks)
  - 2.4 How many students obtained more than 70 marks? Explain. (20 Marks)