94

SVKM'S NMIMS

Shobhaben Pratapbhai Patel / School of Pharmacy & Technology Management

Programme: M. Pharm + MBA (Pharmaceutics/PQA/PT/IP) **Year:** I **Semester:** I
Academic Year: 2019-20 **Marks:** 50
Subject: Statistics for Management incl. Advanced Excel **Time:** 2.00 pm to 4.00 pm
Date: 04 December 2019. **Duration:** 2 hrs.
No. of Pages : 02

FINAL EXAMINATION

INSTRUCTIONS:

Attempt All Questions From Section - A and
Any 3 Questions From Section – B
Please write the Question number and subsections number without fail
All new question must start from new page

Final Examination

Q1. MediPharma has recorded the sales achievement percentage (%) of their territories as per the slabs as given below . Find out a. Mean b. Median c. Mode and d. Standard deviation on the of target achievement

0- 10	1
10- 20	3
20- 30	6
30- 40	10
40- 50	12
50- 60	11
60- 70	6
70- 80	3
80- 90	2
90-100	1

Q2. A Describe Data v/s Information

b. Explain the concept with suitable example and differentiate

Q3 A. What is Type I and Type II error?

B. Elaborate with suitable table and example

Q4. Suppose that a company conducts a survey of 1,000 doctors to determine the average number of hospitals they attached . The data show a large number of doctors with two or three hospitals and a smaller number with one or four. Every doctors in the sample has at least one hospital and no doctor has more than four. Find out the weighted average of number of hospitals attached per doctor.

No. of hospitals attached	1	2	3	4
No. of Drs	73	378	459	90

Q5. Short notes on a. what you mean by Skewness and b. explain symmetrical and non-symmetrical skewness

A frequency distribution of the set of values that is not symmetrical about the mean is called asymmetrical or skewed, or we can say that skewness is the departure from symmetry.

In a skewed distribution, extreme values in a data set move towards the upper or right tail, the distribution is positively skewed.

The symmetrical and asymmetrical curves have been shown in the following diagrams: