Hi-Tech Institute of Engineering & Technology	
DEPARTMENT OF MANAGEMENT	
Model Paper -2, ODD SEMESTER-2023-24	
Semester: 1st	**Course/Branch: MBA**
Subject Code: KMBN 104	**Subject Name: Business Statistics & Analytics**
Faculty Name: Mr. Anuj Agnihotri	

SECTION-A

Q.No	Question
a.	Define Standard Deviation?
b.	Write down the Functions of Statistics?
c.	What are the characteristics of Index Number?
d.	What do you mean by Measurement of Central Tendency?
e.	Write a Short note on Null Hypothesis?

SECTION-B

Q.No	Question
a.	Distinguish Between Fixed Base Index Number and Chain Base Index Number?
b.	Define the Advantages and Disadvantages of Mode.
c.	Write down the Advantages of Median.

SECTION-C

Q. No	Question
a.	Compute the Fisher's Index Number for 2014 on the basis of 2009 with the Following Information.

Commodity	2009		2014	
	Price	Quantity	Price	Quantity
A	5	10	4	12
B	8	6	7	7
C	6	4	5	3

b.	What do you understand by dispersion? Discuss the types of Dispersion?

Q. No	Question
a.	Find the Mean of the Series?

Roll No.	Marks
1	40
2	50
3	55
4	78
5	58
6	60
7	73
8	35
9	43
10	48

b.	What do you understand by Time Series? Explain Its Importance?

Q.No	Question
a.	Find Arithmetic Mean and Standard Deviation from Following Data. Also find Coefficient of Variation.

Age (Less Than)	No. of Persons
10	15
20	30
30	50
40	75
50	100
60	110
70	115
80	125

b.	Differentiate between Binomial Distribution, Poisson Distribution and Normal Distribution?