

Enrollment No: \_\_\_\_\_ Exam Seat No: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Summer Examination-2020

Subject Name : Quantitative Techniques for Management

Subject Code : 5MS01QTM1

Branch: M.B.A.

Semester : 1

Date : 24/02/2020

Time : 02:30 To 05:30

Marks : 70

### Instructions:

- (1) Use of Programmable calculator and any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
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### SECTION – I

**Q-1 Attempt the Following questions (07)**

- a. What is bayes theorem? 1
- b. What is coefficient of skewness? 1
- c. What is probability? 1
- d. What is trial? 1
- e. Write the formula for probability. 1
- f. What is favourable case? 1
- g. Define range. 1

**Q-2 Attempt all questions (14)**

- 1 Discuss data measurement with example? 7
- 2 What is percentile? Write the steps in determining the location of percentile. 7

### OR

**Q-2 Attempt all questions (14)**

- 1 Find the standard deviation of the following data: 7

Sr.No	1	2	3	4	5	6
X	2618	2118	2027	1535	312	281

- 2 Discuss different sources of data collection. 7

**Q-3 Attempt all questions (14)**

- 1 Find mean, mean absolute deviation, variance and standard deviation with proper formula of given question 7  
5, 9, 16, 17, 18.
- 2 How statics helps to take managerial decision? - Explain 7

### OR



<b>Q-3</b>	<b>1</b>	Explain grouped data and ungrouped data with example	<b>7</b>
	<b>2</b>	Write Note: Bayes Theorem	<b>7</b>

### SECTION – II

<b>Q-4</b>		<b>Attempt the Following questions</b>	<b>(07)</b>
	<b>a.</b>	What is co-relation?	<b>1</b>
	<b>b.</b>	What do you mean by descriptive statistics	<b>1</b>
	<b>c.</b>	Define grouped data?	<b>1</b>
	<b>d.</b>	What is kurtosis?	<b>1</b>
	<b>e.</b>	What is random experiment?	<b>1</b>
	<b>f.</b>	What is sample space?	<b>1</b>
	<b>g.</b>	What is skewness?	<b>1</b>

<b>Q-5</b>		<b>Attempt all questions</b>	<b>(14)</b>
	<b>1</b>	Discuss various approaches to calculate probability.	<b>7</b>
	<b>2</b>	Write Note: Binomial Distribution	<b>7</b>

**OR**

<b>Q-5</b>	<b>1</b>	Discuss different types of sampling method.	<b>7</b>
	<b>2</b>	Explain different techniques of Time series analysis.	<b>7</b>
<b>Q-6</b>		<b>Attempt all questions</b>	<b>(14)</b>
	<b>1</b>	Write short note on : Standard deviation	<b>7</b>
	<b>2</b>	Write note: Exhaustive event with example	<b>7</b>

**OR**

<b>Q-6</b>		<b>Attempt all Questions</b>	
	<b>1</b>	Explain different types of data with example.	<b>7</b>
	<b>2</b>	What are the different forms of inventory?	<b>7</b>

