

MODEL PAPER

D,COM PART—I

BUSINESS MATHEMETICS AND STATISTICS.

(SUBJECTIVE)

Time: 2:00 Hours Marks: 40

Q.1 Write short answers to any Twelve (12) questions (4 from each part).

(PART-A)

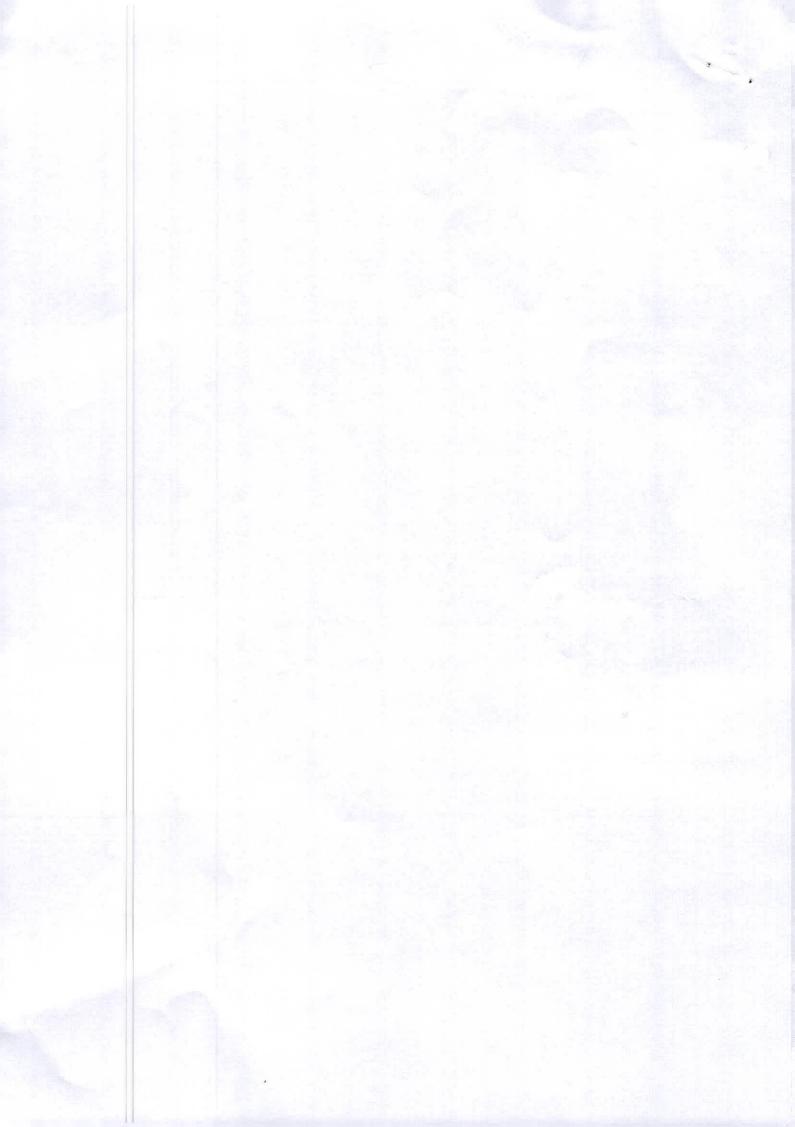
- 1. Describe four important kinds of number system.
- 2. Define Arabian number system.
- 3. Define Principal.
- 4. What will be the commission on sale of Rs.35000 @ 3%?
- 5. 12 is what percent of 48.
- 6. Find the sum of (111) + (110).

(PART-B)

- 1. How the percentage loss is calculated.
- 2. How the rate of commission can be calculated.
- 3. Define census inquiry.
- 4. Describe four essentials of investigation through questionnaires.
- 5. Describe four characteristics of statistics
- 6. Write two points of difference between classification and tabulation.

(PART-C)

- 1. If purchase price is Rs. 1200, profit is 20% of sale price. Find out the sale price.
- 2. What is pie chart?
- 3. Write down the formula of arithmetic mean for grouped data.
- 4. What is the difference between Histogram & Historigram.
- 5. Describe the relationship between mean, median & mode.
- 6. Define Harmonic mean & Geometric mean.



SECTION-II

Note: Write detailed answer to any Two (02) questions.

- 1. A. Convert (756432) to its equivalent number in base 16 or hexadecimal number system. b. Find the value of (945) + (1111) by changing in binary system.
- 2. Mr. Aslam purchased three old bikes for Rs. 500, 000. He sold these bikes for Rs. 175, 000, 13500 & Rs. 150,000. Find the total profit or loss and its percentage.
- b. An agent purchased merchandise worth Rs, 198000 for his principal and received commission Rs, 10890. What percent commission did agent received.
- 3. a) The marks obtained by 10 students in Commerce and Maths are given below:

Commerce	80	75	68	50	40	70	48	90	85	65
Maths	60	55	45	35	30	50	45	69	68	55

Required: prepare a two way table by taking class intervals.

b) Represent the following data by means of (i) Rectangular (ii) Squares (iii) Circles

1111	Factory	Production			
A		3600			
В	1910	1600			
С		900			

4. a) Find out median

X = 15, 35, 55, 45, 25, 50

Y= 10, 15, 20, 15, 25, 30

b) Calculate Harmonic Mean and Geometric Mean from the data given below:

Age	0-5	5-10	10-15	15-20	20-25	25-30	30-35
F	17	30	35	49	45	33	26

-----BEST OF LUCK-----

