http://www.HaryanaPapers.com

UNIT – IV

8. Discuss the procedure of hypothesis testing. What are type -I and type- II errors ?

9. A survey was conducted regarding opinion about TV shows. The results obtained are as follows :

Opinion

Gender	Entertaining	Educational	Wastage of time
Female	52	28	30
Male	28	12	50

Is there any association between gender and opinion ?

Roll No. .....

56004

MBA 2 yr. 1st Sem. (Old) Batch 2011-12 Examination – December, 2018

QUANTITATIVE ANALYSIS

Paper : MBA-104

Time : Three Hours] *[Maximum Marks : 80*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *compulsory* question No. **1** from Section – **A** and *four* questions from Section – **B** (*one* question from each unit). All questions carry equal marks.

SECTION – A

1. Explain and illustrate the following :

   (a) Frequency distribution

   (b) First quartile

https://www.mdupapers.com

http://www.HaryanaPapers.com

(c) Meaning and significance of correlation

(d) Irregular movements

(e) Independent events

(f) Properties of Poisson distribution

(g) Objectives of Hypothesis testing

(h) Chi- square test.

SECTION – B

UNIT – I

2. Find the values of arithmatic mean, median, D_6 and mode for the following distribution :

X	0-10	10-20	20-30	30-40	40-50	50-60	60-70
f	8	12	18	30	16	10	6

3. Discuss the merits and demerits of various measures of variations.

UNIT – II

4. Find the values of Karl Pearson's and Spearman's co-efficients of correlation for the following series :

X	10	12	14	17	15	22	13	9
Y	15	12	13	11	10	14	19	26

5. Find the trend values by least square methods for the following time series :

Year	1991	1992	1993	1994	1995	1996	1997	1998	1999
Sales (Lakh Rs.)	80	90	92	83	94	99	92	104	112

UNIT – III

6. Highlight the importance of probability in business. Discuss various approaches to probability.

7. (a) 10 coins are tossed simultaneously. find the probability of getting .

(i) Seven heads and

(ii) at least 3 heads.

(b) A manufacturer of medicine bottles finds that 0.1% of the bottles are defective. The bottles are packed in boxes containing 500 bottles. If 100 boxes are purchased by a buyer, find the number of boxes which will have

(i) no defectives and

(ii) at least two defectives.

https://www.mdupapers.com