



MBA 018

**I Semester M.B.A. in Aviation Examination, October 2011
STATISTICAL METHOD
(January 2011 Batch) and Re-sit (July 2010 Batch)**

Time : 3 Hours

Max. Marks : 80

- Instructions :** 1) *Section 1 : Answer **any 10** questions out of 15.
Max. marks in this Section are **30** (3 marks for **each right** answer).*
- 2) *Section 2 : Answer **all 10** questions.
Max. marks in this Section are **20** (2 marks for **each right** answer).*
- 3) *Section 3 : Attempt **any 2** out of 3 questions.
Max. marks in this Section are **30** (15 marks for **each right** answer).*

SECTION – 1

Answer **any 10** out of 15 :

(10×3=30)

1. Is Statistics an art or science ?
2. Discuss Descriptive vs. Inferential statistics.
3. What are the advantages and disadvantages of personal interview ?
4. What factors should be kept in mind while using secondary data ?
5. What is frequency distribution ? What are its uses ?
6. What are the merits and demerits of change ?
7. What are the methods for determining correlation ?
8. What is the importance of index number ?
9. What is Poisson distribution ?
10. Mention the types of classification of data.

P.T.O.



11. What are the functions of statistical average ?
12. What is Variance ? Give its formula.
13. What is limited degree of correlation ?
14. What are Linear and Non-linear regressions ?
15. What are Time reversal and Factor reversal tests ?

SECTION – 2

Answer **all** the questions :

(10×2=20)

True or False :

1. Drafting effective questionnaire is a crucial task and expects great deal of skill and experience.
2. Approximation is a method used to round off the number.
3. A frequency distribution table allows organizing the data into equal classes.
4. Average gives the complete picture of the data.
5. Percentile divides the series into ten equal parts.
6. The difference between second and first quartiles is called as the inter-quartile range.
7. The term regression was coined by Karl Pearson.
8. Regression equation is also known as estimating equations.
9. Aggregate expenditure means to prepare a new series of index number with a new base in price of an old one.
10. The normal curve is symmetrical on its peak and tails extend indefinitely in both directions.



SECTION – 3

Answer **any 2** out of 3 questions :

(15×2=30)

1. Calculate Mean, Median and Mode of the following data :

Weight	40	50	60	70	80	90
No. of persons	4	20	27	14	5	1

2. Find the Range and Co-efficient of range in :

Marks	10-20	20-30	30-40	40-50	50-60
Student	20	23	25	14	10

3. Calculate the mean deviation from median and mean and its coefficient from the data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90
Fail	5	7	9	11	8	7	6	4	2
