Reg. No. : ....

Name : ....

Second Semester M.A. Degree Examination, August 2011
Branch : PERSONNEL MANAGEMENT
(New Scheme – 2006 Admn.)
PM 224 : Paper – IV : Research and Statistics for Management

Time : 3 Hours   Max. Marks : 75

PART – A

Answer **any five** of the following. **All** carry **equal** marks. **Each** answer not to exceed **300** words.

1. Write a note on scientific method.

2. What is a "Research problem" ?

3. Bring out the need of "Hypotheses" in research.

4. Write a note on reliability and validity of a questionnaire.

5. Write a note on the various types of graphical representations done in a research report.

6. Find the quartile deviation for the following data :

Size :	5	8	10	12	19	20	32
Frequency :	3	10	15	20	8	7	6

7. From the monthly income of 10 families given below calculate the coefficient of range :

S. No. :	1	2	3	4	5	6	7	8	9	10
Income in Rs. :	145	367	268	73	185	619	280	115	870	315

8. Find the median for the following :

Value of the item :	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency :		4	6	10	20	10	6	4

(5×6=30 Marks)

P.T.O.

PART – B

Answer **any three** of the following. **All** carry **equal** marks. **Each** answer not to exceed **1500** words.

9. Explain the various instruments used for data collection.

10. What is the role played by research and statistics in Personnel Management ?

11. What is the importance of research design ?

12. Find the coefficient of correlation between the heights and weights of a person and comment on your answer.

Height (inches) :	62	72	78	58	65	70	66	63	60	72
Weight (Kgs) :	50	65	63	50	54	60	61	55	54	65

13. Price index number of wheat (x) and cereals (y) at twelve successive seasons are given below :

x :	87	84	88	102	101	84	72	84	83	98	97	100
y :	88	79	83	97	96	90	82	84	88	100	80	102

Fit a line of regression of y on x. Hence get the expected value of y when
x = 110.   **(3×15=45 Marks)**