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Reg. No. :

Name :

Second Semester M.A. Degree Examination, July 2012
PERSONNEL MANAGEMENT
PM 224 : Research and Statistics for Management

Time : 3 Hours

Max. Marks : 75

PART - A

Answer any five questions. All carries equal marks. Each answer not to exceed 300 words.

1. What do you mean by a hypothesis ? What is the role of hypothesis in research ?
2. Elaborate the features of a scientific method.
3. What is meant by operational definition ? How is it different from theoretical definition ?
4. What do you mean by Reliability ? How it is different from the concept of validity ?
5. What is coefficient of variation ? Elaborate its application.
6. What are measures of central tendency ? Explain any three measures.
7. The number of cheques processed by a bank in a month is given below

Calculate the variance.

Number of cheques processed	0-200	200-400	400-600	600-800	800-1000
Frequency	10	13	17	42	18

8. Calculate median salary from the following data :

Monthly Salary (in Rs. '000)	Less than 10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of. Employees	77	94	105	108	145	121	109	65



PART – B

Answer **any three** questions. **All** carries **equal** marks. **Each** answer **not** to exceed **1500** words.

9. What are the different sampling techniques ? Give suitable examples.
10. Explain the various types of research designs.
11. What are the different types of scales used in research ?
12. A training need analysis survey conducted by a HRD manager gives the following data :

	Executives	Non-Executives	Total
Need training	340	260	600
Do not need training	245	255	500
Total	585	515	1100

Test whether the training need expressed is associated with the cadre of employees.

13. An automobile company has undertaken a study on the driving speed and mileage of 10 vehicles.

Driving speed	30	50	40	55	30	25	60	25	50	55
Mileage	28	25	25	23	30	32	21	35	26	25