

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 7112

Roll No.

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**M. B. A. (Second Semester) Theory
Examination, 2010-11**

RESEARCH METHODOLOGY

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions from each Section.

Section-A

[1×20=20

1. Following are some statements state True or False :

- (
- (a) The main aim of research is to find out truth which is hidden and has not been discovered as yet.
 - (b) The task of defining the research problem often follow a sequential procedure.

- (c) Management journals, magazines and newspapers are primary sources of data collection.
- (d) Stratified random sampling is a non-probability sampling.
- (e) Report writing is more of an art that hinges upon practice and experience.
- (f) There is no relation between Mean, Median and Mode.
- (g) Range is the best measure of dispersion.
- (h) The median can be obtained for open ended distribution.
- (i) Research is much concerned with proper fact finding, analysis and evaluation.
- (j) Coefficient of variation is an absolute measure of dispersion.
- (k) A good statistical table should present statistical data in concise and orderly manner.

- (l) Diagrammatic presentation is a tabular form of classified data.
- (m) Sum of deviations from arithmetic mean is equal to zero.
- (n) In a symmetrical distribution ($\text{Mean} \pm 2$ standard deviation) covers 99.73% observations.
- (o) Extreme value in a data set influence arithmetic mean.
- (p) Tabulation comes before classification.
- (g) Class limits and class boundaries mean the same thing.
- (r) Arithmetic mean is always the best measure of central tendency.
- (s) Quartiles divide the series into three parts.
- (t) Hypothesis go beyond research question because they are statements of relationships or propositions rather than merely questions to which answers are sought.

2. Case Study :

A factory produces two types of electric lamps, A and B. In an experiment relating to their life, the following results were obtained :

Length of Life (in hrs.)	Number of Lamps (A)	Number of Lamps (B)
500 – 700	5	4
700 – 900	11	30
900 – 1100	26	12
1100 – 1300	10	8
1300 – 1500	8	6
Total	60	60

Required :

- (i) What is the average life of each type of lamps?
- (ii) What is the combined average life?
- (iii) Which lamp has greater uniformity?

Or

Case Study :

The following facts were gathered from a firm before and after an industrial dispute :

	Before Dispute	After Dispute
Mean Wages (₹)	1850	1900
Median wages (₹)	1820	1800
Modal wages (₹)	1760	1600
Quartile (₹)	1750 and 1920	1750 and 1950
S.D.	130	190
Number of employees	600	550

Required :

Compare the position of the firm before and after the dispute by making use of the above data as fully as possible.

Section-C

[12½×4=50]

3. What do you mean by Research in Management?
Discuss different types of research.

Or

Explain the meaning and significance of a research design. Discuss the main features of a good research design.

4. Distinguish between primary data and secondary data and enlist the important methods of collecting primary data.

Or

What do you mean by questionnaire? Discuss the characteristics of a good questionnaire.

5. What is sampling? Distinguish between the probability sampling and non-probability sampling and explain their significance.

Or

Why tabulation and analysis is considered essential in a research study? Narrate the characteristics of a good table.

6. Explain the significance of a research report and narrate the various steps involved in writing such report.

Or

You have been asked to determine why so many management graduates quit during their first six months of employment. How would you find out?