

2007

RESEARCH METHODS AND QUANTITATIVE TECHNIQUES

PAPER-VB

Full Marks : 40

Time : 2 hours

Answer **Q. No.1** and any **two questions**,
taking one from each Una

The figures in the right-hand margin indicate marks

1. Write short notes on : 4x2

(i) Novum Organum

Or

(ii) Testing of Hypothesis

(iii) Bibliometrics : meaning and areas of applications.

Or

(iv) Dispersion : meaning and objectives.

UNIT -I

2. What is 'sociometry'? Illustrate with suitable examples the utility of 'sociogram'. Describe the status of librarian in Indian society adopting any social distance scale. 3+5+8

3. (a) 'Learning more and more about less and less until the researcher knows everything about nothing and vice-versa'- Analyse the statement in the light of the characteristics of social science research.
- (b) Briefly state about different tools of Social Science research. Comment. on different techniques to improve **questionnaire** items.. 5+5

UNIT-IL

4. Define 'sampling'. State the Law of Statistical Regularity. How do you select a sample when the composition of the universe is known and heterogeneous in nature. Illustrate your answer with examples. 3+4+9
5. Define 'Rank correlation'. Calculate the coefficient of rank correlation between x and y from the following data :

								4+12
x: 32	35	49	60	43	37.	45	48-10	20
y: 40	30	70	20	32	50	72	60 45	25