M 15552

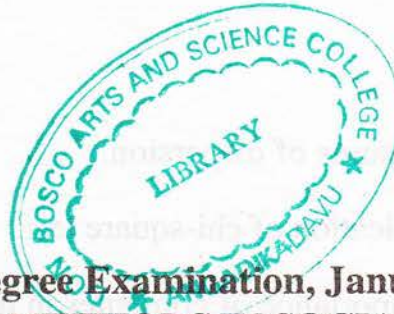Reg. No. : ....

Name : ....

Third Semester M.S.W. Degree Examination, January 2009
Paper – XVI : QUANTITATIVE METHODS IN SOCIAL RESEARCH

Time : 3 Hours

Max. Marks : 80

PART – I

Answer **any six** questions. **Each** question carries **3** marks. Answer to a question is limited to **100** words :

Write short notes :

1. Classification

2. SPSS

3. Histogram

4. Frequency polygon

5. Mean

6. Skewness

7. Rating scales

8. Range

9. Sociometry.

(6×3=18)

PART – II

Answer **any five** questions. **All** questions carry **equal** marks. Answer to a question should not exceed **200** words :

10. Following table gives the distribution of marks of 80 students. Calculate median.

Marks	0–9	10–19	20–29	30–39	40–49
Frequency	3	10	28	36	3

P.T.O.

11. Explain the measures of dispersion.

12. Discuss the application of chi-square test.

13. Highlight the importance of computer in data analysis.

14. Explain measures of central tendency.

15. Explain the concept 'probability'.

16. Explain the application of measures of association.

17. Find out Karl Pearson's coefficient of correlation for the following data :

X:	6	2	10	4	8
Y:	9	11	_	8	7

Arithmetic mean of X and Y are 6 and 8 respectively.   (5×6=30)

PART – III

Answer **any two. Each** question carries **16** marks. Answer to a question should not exceed **900** words :

18. Explain graphic and diagrammatic presentation of data with illustrations.

19. Explain hypothesis testing and errors in hypothesis testing.

20. Find out the association between place of residence and specialization preference. from the following table :

Place of Res.	Specialization			Total
	MPSW	URCD	FCW	
Urban	38	20	12	70
Rural	10	26	6	42
Total	48	46	18	112

(16×2=32)