

00161

Ph.D. PROGRAMME IN DISABILITY STUDIES

Term-End Examination

December, 2016

**RMD-002 : STATISTICAL TECHNIQUES IN
DISABILITY STUDIES**

Time : 3 hours

Maximum Marks : 100

-
- Note :**
- (i) *All sections are compulsory.*
 - (ii) *Read the instructions given in each section carefully.*
 - (iii) *Use of simple calculator is permitted.*
-

SECTION - A

Answer the following questions in 50 words each
(any 10) :

10x4=40

1. Statistics
2. Linear correlation
3. Regression
4. Eigen value
5. MANOVA

6. Cluster analysis
7. Multiple correlation
8. Structural Equation
9. Average Deviation
10. Level of significance
11. Nominal and Ordinal data with examples

SECTION - B

Answer the following questions in 200 words each
(any 5) : 5x6=30

12. Differentiate between parametric and non-parametric statistics. 6
13. Discuss ANOVA in non-parametric statistics. 6
14. Compute mean, median and mode for the following data : 6
12, 13, 14, 16, 16, 16, 16, 17, 18, 19, 12, 11, 10, 9, 4.
15. Compute standard deviation for the following data : 6
12, 13, 16, 18, 19, 12.
16. Describe path analysis. 6
17. Explain graphical methods of data collection. 6

SECTION - C

Answer the following questions in 500 words each
(any 2) : 15x2=30

18. Define Correlation. Compute Spearman's rho for 4+11
the following data :

	A	B	C	D	E	F	G
Data x	35	40	32	31	20	19	18
Data y	34	60	31	33	25	26	18

19. Describe the properties and application of Normal Distribution Curve. 8+7
20. Discuss the application of Chi-Square test. 6+9
Compute Chi-Square for the following data :

	Responses		
	Yes	No	Undecided
Males	10	30	30
Females	5	10	15

Critical value :

5.991 at 0.05 level of significance.

9.210 at 0.01 level of significance.
