

## Paper – 202 Statistics in Psychology

### 1. Main Objectives:

- To Develop an understanding of various statistical techniques in terms of their assumptions, application and limitation

### 2. The Scheme of question paper:

1. The paper will consist four units:
2. Each Unit Should be given equal weightage in examination
3. Student can use logbook and calculator at the time of examination
4. Total Marks are 100.  
70: External Examination  
30: Internal evaluation  
(Duration of examination: 3 hours)

### Unit – 1 Correlation:

- Person's Correlation technique
- Raw score technique
- Product moment technique
- Assume mean technique

### Unit – 2 't' test and Chi-Square

- Computation of 't' values for independent and dependent samples
- Chi-square
- equal Distribution
- Contingency co-efficient
- Chi-square test of Independence in Contingency table
- Normal Distribution

### Unit – 3 'W' test and 'Tau' test

- Kendall Coefficient of concordance – 'W' test
- Kendall ranking correction – 'Tau' test

### Unit – 4 ANOVA:

- One way analysis of variance
- Two way analysis of variance

## BOOKS

1. Aron, Author ,Aron,E.N. and coups E.J.(2007)Statistics for psychology New delhi: person Education
2. Prof. C.B. Dave and others (1998): Experimental Psychology Theory and Statistics Viral Prakashan – A'bad.
3. Suresh. C. Parekh (1995) Statistical Testing in Psychological & S.K.Dixit Research Champa Prakashan, Junagadh
4. Downie and Heath : Basic statistical Method  
Siegel (1994) : Non Parametric statistics for Behaviour science second edition new york Mcgraw Hill Book co.
5. S.C.parekh (1998) Non Parametric statistics Champa Prakashan, Junagadh
6. M.D.Trivedi & B.U.Parekh (1989): statistics in Education , Granth Nirman Board Ahmedabad