

# PRE-Ph.D. Course Work Syllabus

**Subject :-PSYCHOLOGY**

**DURATION:SIXMONTHS**

**M.M.200**

	<b>COURSE</b>	<b>MARKS</b>
COURSE I	Research Methods and Advanced Statistics	100
COURSE II	Project Based on Review of Research work	50
	Seminar	50
	<b>TOTAL</b>	<b>200</b>

*Shreshth Kumar* → *Aditi*  
30.05.25

*Dr. V. K. Sharma*  
*Shubh*

# PRE-Ph.D.COURSE

## **COURSE-I RESEARCH METHODS AND ADVANCED STATISTICS**

**M.M.100**

### **UNIT-I**

Psychological Research: Nature types, Complex Problems of Psychological Research :  
Research Designs, Types.

### **UNIT-II**

Factorial, Co relational, Quasi Experimental Design, Ex -Post -Facto Research Design,  
Single Factor, Two Factor Experimental Design.

### **UNIT-III**

ANOVA: upto 3 WAY.,  
Pre and Post ANOVA test, Regression Analysis

### **UNIT-IV**

Factor Analysis : Theory and Factor, extraction by centroid method.  
Content analysis : Nature and applications.

### **UNIT-V**

Basic Knowledge of Computer Applications .; Internet learning (Search Engine) USE of  
SPSS, Report Writing.

### **BOOK RECOMMENDED:**

1. Statistical analysis in Psychology and Education: Ferguson, George, PP 316-334
2. Psychometric Theory. Nunally, PP 151-188.
3. Psychometric Methods. Guilford, J.P. 470-482.
4. Introduction to factor Analysis, Fruchter, B.
5. Statistical Design in Experimental Research. Winer (1971) McGraw Hill,
6. Foundations of Behavioural Research. Kerlinger. F.N. (1978).
7. An Introduction to Psychological Statistics DUBOIS, Philip M.V.
8. Research Methodology: Methods and Techniques : Kothari, C.R. (1985).
9. Festinger, D. & Katz L: Research Methods in Behaviour Science. Holt Rinehart. N. Y. (1973)
10. Broota, K.D. Experimental Design in Behavioural Research. Milar Fastern. N. Delhi (1989)

*Shukla* *Jain* *30.05.25* *Prakash* *Prakash*

1. PROJECT BASED ON REVIEW OF RESEARCH WORK :Use of Literature, Knowledge of National and International Journals, Impact Factor, Citation Index, SCI Journals.(To be Supervised and evaluated by Guide Concerned.)
2. SEMINARS: Open Seminar, evaluation will be done by member of DRC.

*Himanshu* *Jain* *30.05.25* *Divyanshu*  
*Bhaskar*