

V.B.S. PURVANCHAL UNIVERSITY, JAUNPUR

Pre- Ph.D. Course Work

Syllabus

PSYCHOLOGY

w.e.f. Dec. 2020

(Revised as on 19. Nov. 2020)

As per the university ordinance, the research scholars who are provisionally registered for the Ph.D. Programme will undergo a Pre- Ph.D. Course work.

Aim of the Course Work: The aim of Pre- Ph.D. course work focus on developing investigation, evaluation, comprehension, reasoning, Statistical analyses and writing skills to create an in depth understanding in the area of research. Thus, to make students user friendly with computer.

Course Work Structure:

The duration of Pre-Ph.D. course work will be of one semester (six month) in which there will be three compulsory papers. The minimum attendance required during the course work period is 80% of the total courses. This course work is mandatory. The following scheme to be followed for successful completion of the course work.

Scheme of the Course

(All papers are compulsory)

S.N.	Paper	Title			Max Marks	
1	Paper-I	Research Methodology			100	
2	Paper-II	Psychological Statistics and Computer Application			100	
3	Paper-III	Research Training	Section-A	Empirical research paper writing	50	100
			Section- B	Theoretical research paper writing	50	
Total Marks: 300						

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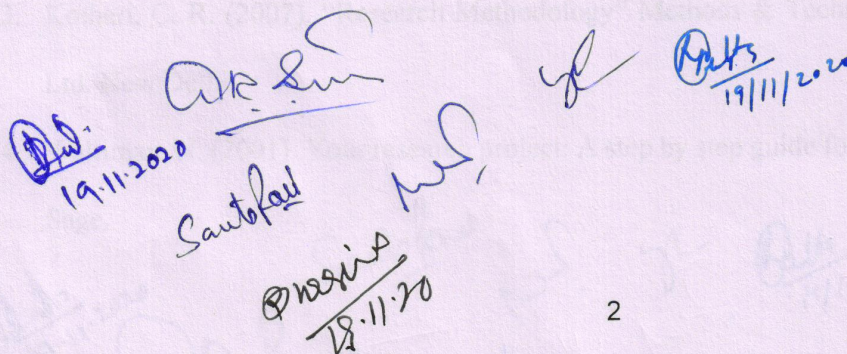
Paper Setting and Evaluation Pattern
(For Paper I & II)

Types of Question	Total Number of Questions	Question to be attempted	Marks	Time
Objective Type	10	10	10x2= 20	3 Hours
Short Type	7	5	5x8= 40	
Long Type	3	2	2x20= 40	
Total Marks: 100				

Pattern for Paper-III: This paper is related with concerned area of research which was opted by research student. Paper consists of two sections- A and B. Each section carries 50 marks (Total 100 marks). It is mandatory that each research scholar will prepare a research paper from each section (Total two papers). The research scholar has to present and submit the research paper in the departmental seminar. There will be no separate written examination for this paper.

Note:

1. Passing marks is 40% in each paper separately and 50% in grand total also.
2. Paper-III (Section A and B) will be evaluated by the departmental committee constituted by Head of the department consisting of at least three members of the concerned department. If there are less than three teachers in the department, the Head of department can associate teachers of interdisciplinary subjects in the committee.
- 3- Language of the course would be either English or Hindi.



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Paper-I

Research Methodology

Marks: 100

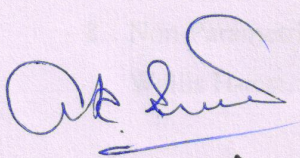
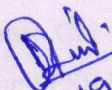
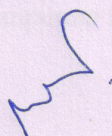
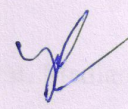
1. Research: Meaning and Characteristics of Scientific Research. Meaning, Objective and types of Psychological Research. Process or stages of Psychological research. Criteria of good research, ethics in Psychological Researches.
2. Approaches of Psychological Research: Qualitative, Quantitative and Mixed method.
3. Research Problem and Variable: Meaning, Characteristics and types of Research Problem Sources and Origins of Research Problem. Types and Control of Variables.
4. Methods of Data Collection: Types of Data. Methods: Questionnaire, Schedule, Interview, Observation, Case Study and Projective techniques.
5. Psychological Test: Meaning and Nature of Psychological test, steps of test construction and standardization.
6. Research Design: Meaning, Purpose, Types- Experimental, Non-Experimental and Quasi Experimental Design.
7. Sampling: Meaning and Purpose. Types: Probability and Non-Probability sampling.
8. Research Report: Ethical issues related to publishing, Plagiarism, and Self - Plagiarism, Writing Research Report (APA Style). Referencing Styles.

Suggested Readings:

1. Kerlinger, Fred. N. (1973). "Foundation of Behavioural Research". 2nd Edition, New York, Holt Rinehart & Winston.
2. Guilford, J. P. (1954). "Psychometric Methods" New York, McGraw Hill, Inc.
3. Kothari, C. R. (2007). "Research Methodology" Methods & Techniques, New Age International (p) Ltd. New Delhi.
4. Walliman, N. (2001). Your research project: A step by step guide for the first-time researcher. London: Sage.

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5. Kumar, Renjith. (2009). Research Methodology: A step by step guide for Reseachers, Delhi: Pearson Edition
6. Newman, W.L. (1991). Social Research Methods: Quantitative and Qualitative Methods. Boston: Allyn & Bacon.
7. Winer, B.J. (1961). Experimental Design in Psychological Research, McGraw Hill.
8. Becker, H.S. (1986). Writing for Social Scientists: How to start and finish your thesis, Chicago, University of Chicago.
9. Singh, A.K. (2009). Tests, Measurements and Research Methods in Behavioural Sciences. Delhi, Bharti Bhawan Publishers.


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Paper-II

Psychological Statistics and Computer Application

Marks: 100

1. Basic Knowledge of Statistics, use of statistics in Psychological Research.
2. Basic Knowledge of Computer, Implications of Computer software in Psychological Research: MS-Word, MS-Excel, MS-Power Point, SPSS and other software like @R, AMOSS, SEM and Plagiarism software.
3. Graphical representation of Data: Nature and types using SPSS to create graphs.
4. Using SPSS for Computing the measures of Central tendency and measures of Variability/Dispersion.
5. Hypothesis Testing: Meaning and functions of hypothesis, types of hypothesis, characteristics or criteria of a good hypothesis, level of significance, degree of freedom (df), one tailed and two tailed test, Error in hypothesis testing.
6. Correlation and Regression: Meaning and types. Methods of correlation: Parametric Method- the product moment co-efficient of correlation. Non-Parametric Method- Spearman's rank order correlation. Using SPSS to compute correlation.
7. Parametric Test: t-test – Meaning, assumptions, uses and Computation procedure. ANOVA- Meaning, assumption, uses, computation procedure of one way and two way ANOVA. MANOVA- meaning, assumptions, uses and computation procedure of MANOVA. Using SPSS for computing Parametric Statistics.
8. Non-Parametric Test: Chi Square test, Sign test, Median test, Mann Whitney U-test and Kruskal-Wallis H-test. Using SPSS for computing Non-Parametric Statistics.

Suggested Readings:

1. Field, A. (2005). Discovering Statistics using SPSS. London: Sage Publications.
2. Asthana, H.S. & Bhushan, B. (2007). Statistics for social sciences (with SPSS Application). Prentice Hall of India, New Delhi.

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3. Tabachnick B.G. & Fidell, L.S. (2007). Using Multivariable Statistics (5th Ed.). Prentice Hall.
4. Garrett. H.E. (2007). Statistics in Psychology and Education (Indian Reprint). Paragon International Publishers.
5. Guilford, J.P. & Fruchter, B. (1978). Fundamental statistics in Psychology and Education, New York, McGraw Hill.
6. Sharma. R.A. (2003). Advance Statistics in Education and Psychology. Merrut, R. Lal, Book Depot.
7. George, D. & Mallery, P. (2012). SPSS for Windows step by step. India, Pearson.

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Paper-III

Research Training

Marks: 100
(50+50)

Section- A

Empirical Research Paper Writing:

Choosing a topic from specific area of investigation.

Preparing and working Bibliography/References.

Outline and need to write a research paper.

Every research student is required to prepare an empirical research paper in his/her specific research area under the concerned supervisor and submit it after its presentation in departmental seminar.

Section- B

Theoretical Research Paper Writing:

Depth study of text

Evaluation of literature

Every research student is required to prepare a theoretical research paper based on the in-depth study of text and literature review of the specific area of research chosen by him/her and submit it after its presentation in departmental seminar.

Suggested Readings:

Reading list will be provided by the respective supervisors as per requirement of the topic and area of research.

AK Singh *19.11.20*
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