

# SCHEME OF EXAMINATION AND COURSE OF STUDY

Pre-PhD Course Work (PSYCHOLOGY)  
(w.e.f. 2021-22)



DEPARTMENT OF PSYCHOLOGY  
GURUKULA KANGRI (DEEMED TO BE UNIVERSITY)  
HARIDWAR-249404

*Saxena*  
15/11/21  
अध्यक्ष

मनोविज्ञान विभाग  
गुरुकुल कांगड़ी (समविश्वविद्यालय)  
हरिद्वार-249404, उत्तराखण्ड

*Saxena*  
13/10/21  
HEAD

Psychology Department

**DEPARTMENT OF PSYCHOLOGY**  
**Gurukula Kangri (Deemed to be University), Haridwar**  
**Pre-PhD course work in Psychology**  
**(w.e.f. Academic Session: 2021-2022 onwards)**

The students admitted/registered for Doctoral programme in the Department of Psychology will be offered course work during the one semester. The course of study in Psychology for Pre-PhD shall comprise of three theory papers. The course will be completed in one semester. The student shall have to pass in each theory paper.

**Duration:** One Semester.

The distribution of three theory papers is as follows-

**Pre-PhD Course Work**

Paper Code	Name of the Paper	Credits	Marks		Total Marks
			Internal Assessment	External Examination	
PPY-101	Research Methodology	06	30	70	100
PPY-102	Research Publication and Ethics	02	30	70	100
PPY-103	Application of Psychology	06	30	70	100

In a semester there shall be three theory papers each of 100 marks (3x100=300) in PhD course work. In each paper there shall be end semester examination of 70 marks. The duration of examination shall be 03 hours for each theory paper. 30 marks in each paper shall be for internal assessment out of which 20 marks shall be for written test (term paper) & 10 marks shall be given by the supervisor of the candidate on the basis of literature survey, review of research papers, presentation & attendance etc. The written test of 20 marks of each paper of internal assessment shall be evaluated by the concerned teaching faculty who has taught the course. However, HOD will act as coordinator during the Internal Assessment. The minimum pass percentage in each paper of the PhD course work will be 55% (B Grade in 7 point Grading System) and candidates will have to pass in all the three papers.

*Amara*  
12.10.21

# SYLLABUS FOR Pre-PhD COURSE WORK

## SUBJECT: PSYCHOLOGY

### PPY-101: RESEARCH METHODOLOGY

#### Unit-1

Meaning, Nature and Types of Research. Meaning, Nature, Source, Types, Selection and Statement of Research Problem. Types and Formulation of Hypothesis. Literature Review. Test Construction, Qualities of a Good Test. Reliability, Validity and Norms.

#### Unit-2

Nature and Problem of Experimental Control, Techniques of Control: Elimination, Constancy, Balancing, Counterbalancing, Randomization. Meaning and Types of Variables, Manipulation of Independent Variables. Sample and Sample size. Types and Significance of Sampling. Techniques of Probability Sampling: Simple Random Sampling, Stratified Random Sampling, Cluster Sampling. Non-Probability Sampling: Quota Sampling, Purposive/Judgmental Sampling, Incidental Sampling.

#### Unit-3

Methods of Data Collection: Observation Method, Questionnaire, Interview; Meaning and Types of Experimental, Non-Experimental Research and Quasi-Experimental Research; Research Design: Meaning, Purpose and Types; Research Report Writing: Thesis and Research paper (as per APA Style).

#### Unit-4

**Data Analysis:** Statistics- Meaning and Types. Meaning and Types of Data. Methods of Data Collection. Graphical representation of Data. Concept of Measurement and Types of Scale. Measures of Central Tendency, Variability, Percentile, Percentile Rank, Correlation-coefficient (Pearson and Spearman) and Regression. Measure of Standard Scores. Test of Normality. One tail, two tail tests and Two types of error. Standard Error of Mean. t-test (Independent and Correlated). ANOVA (I-II ways) and ANCOVA. Chi-Square Test, Median Test and Sign Test. Item analysis, Factor analysis, Meta analysis. Methods of Qualitative Analysis.

#### Unit-5

**Computer Application:** Basics of Computer, Operating system, Memory and storage, Virus and Antivirus, Network and Internet, Installation and Formatting; Basics and Uses of MS-Word, MS-Excel, MS-Power point & SPSS. Inserting data, recording variables, exploring data, creating graphs, and charts, statistical analysis using SPSS. Application of computer in Psychological research

*Handwritten signature and date:*  
A. M. 09  
21/10/21

- Note: 1:** The Examiner (paper setter) will set questions from the whole syllabus.  
**2:** Students can use simple calculator (Without Programming/ Nonscientific) during the Examination.  
**3:** Statistical Tables will be provided during the Examination.

**Books Recommended: -**

1. Anne Anastasi and Susana Urbina (2016) Psychological Testing. Pearson Education India. ISBN-13: 978-9332575585
2. Arun Kumar Singh (2017) Tests, Measurements and Research Methods in Behavioural Science. Bharati Bhawan Publishers & Distributors ISBN-13: 978-8177097436
3. Bruce M. King and Edward W. Minium (2011) Statistical Reasoning in the Behavioral Sciences. Wiley. ISBN-13 :978-8126531141
4. C.J. Goodwin (2010). Research in psychology methods and design. John Wiley and Sons. ISBN-13: 978-0471763833
5. CR Kothari and Gaurav Garg (2017) Research Methodology: Methods and Techniques, New Age International Pvt Ltd Publishers. ISBN-13: 978-8122436235
6. D. K. Bhattacharya (2006) Research Methodology. Excel Books. ISBN-13 978-8174464972 :
7. F.N. Kerlinger (1973). Foundation of Behavioural Research. Surjeet Publications. ISBN-13: 978-8122904765
8. Frank J. McGuigan (1996) Experimental Psychology Methods of Research. Pearson. ISBN-13 978- : 0133988840
9. FS Freeman (2018) Psychological Testing. Oxford & IBH Publishing ISBN-13: 978 -8120417076
10. Henry E.Garrett (2005) Statistics In Psychology & Education Paragon International Publishers ISBN-13: 978 -8189253004
11. J.P. Guilford and Benjamin Fruchter (1978). Fundamental Statistics in Psychology and Education. McGraw Hill. ISBN-13: 978-0070251502
12. J. P. Guilford (1975) Psychometric Methods. Tata McGraw Hill Publishing Company Ltd
13. Julie Pallant (2020) SPSS Survival Manual: A step by step guide to data analysis using IBM SPSS. Routledge.ISBN-13 978-1760875534 :
14. K.D. Broota (2006). Experimental Designs in Behavioural Research. New Age International Publishers ISBN-13: 978-8122402155
15. Leslie G. Portney (2020) Foundations of Clinical Research: Applications to Evidence-Based Practice F.A. Davis Company ISBN-13: 978-0803661134
16. Ranjit Kumar (2014) Research Methodology: A Step-by-Step Guide for Beginners. SAGE Publications Pvt. Ltd ISBN-13 978-9351501336 :
17. S. Siegal (1988). Non-Parametric Statistics for Behavioural Sciences. McGraw Hill. ISBN-13: 978-0070573574
18. S.A. Haslam and C. McGarty (2003). Research Methods and Statistics in Psychology. Sage Publication. ISBN-13: 978-0761942931
19. Mangal (2002) Statistics in Psychology and Education. Prentice Hall India Learning Private Limited. ISBN-13 978-8120320888 :
20. अरुणकुमारसिंह (2017) मनोविज्ञान, समाजशास्त्र तथा शिक्षा में शोध विधियाँ, मोतीलाल बनारसीदास ISBN-13: 978-8120824119
21. एचकेकपिल (2021) सांख्यिकी के मूलतत्त्व (सामाजिक विज्ञानों में) श्री विनोद पुस्तक मंदिर
22. मुहम्मद सुलेमान (2016) मनोविज्ञान, शिक्षा एवं अन्यसामाजिक विज्ञानों में सांख्यिकी | मोतीलाल बनारसीदास ISBN-13: 978-8120827677

*Chandra*  
13/1/21  
HEAD

## PPY-102: RESEARCH PUBLICATION AND ETHICS

### Unit-1

**Philosophy and Ethics:** Introduction to philosophy: definition, nature and scope, Ethics: definition, moral philosophy, nature of moral judgements and reactions, Ethics of Psychological Research

### Unit-2

**Scientific Conduct:** Ethics with respect to science and research, Intellectual honesty and research integrity, Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP), Redundant publications: duplicate publications, salami slicing, Selective reporting and misrepresentation of data.

### Unit-3

**Publication ethics:** Introduction, definition, and Importance; Best practices / standards setting initiatives and guidelines: COPE, WAME. Conflicts of interest, Publication misconduct: definition, concept, problems that lead to unethical behavior, Violation of publication ethics, Predatory Publishers and journals. Identification of Publication misconduct, Subject specific ethical issues, FFP, authorship, Complaints and appeals, Software tools: Use of plagiarism software like Turnitin, Urkund and other open source software tools.

### Unit-4

**Open Access Publishing:** Open access publications and initiatives, Online resource to check publisher copyright, Software tool to identify predatory publications developed by SPPU, Journal finder like Elsevier Journal Finder, Springer etc.

### Unit-5

**Databases and Research Metrics:** Indexing databases and Citation databases: Web of Science, Scopus, etc. Research Metrics: Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score, Metrics: h-index, g index, i10 index, altmetrics.

*Janak*  
13/10/21  
HEAD

Psychology Department  
Gurukul Kangri (Deemed to be University)  
Haridwar-249404 (Uttarakhand)

**Note: 1:** The Examiner (paper setter) will set questions from the whole syllabus.

**Books Recommended:**

1. Alasdair MacIntyre (2000) A Short History of Ethics. London. ISBN 0-415-17398-1
2. Beall, J. (2012). Predatory publishers are corrupting open access. Nature, 489(7415), 179–179.  
<https://doi.org/10.1038/489179a>
3. Bird, A. (2006). Philosophy of Science. Routledge. ISBN 978-1857285048
4. Dr. Sumanta Dutta (2021) Research and Publication Ethics in Social Science. Bharti Publications. ISBN-13 978-9390818709 :
5. Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance(2019), ISBN:978-81-939482-1-7. <http://www.insaindia.res.in/pdf/Ethics Book.pdf>
6. National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition. National Academies Press. ISBN-13 978-0309119702 :
7. NimitChowdhary and Sarah Hussain (2021) Handbook of Research and Publication Ethics. (Strictly as per UGC 2 Credit Course) Bharti Publications ISBN-13 978-9390818532 :
8. P. Chaddah, (2018) Ethics in Competitive Research: Do not get scooped; do not get plagiarized, ISBN:978 9387480865
9. Resnik, D. B. (2011). What is ethics in research & why is it important. National Institute of Environmental Health Sciences, 1-10. Retrieved from  
<https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>
10. Santosh Kumkar Yadav (2020) Research and Publications Ethics. Ane Book ISBN-13 978-9389212686 :

*Amara*  
13/11/21  
**HEAD**

Psychology Department  
Gurukul Kangri (Deemed to be University)  
Haridwar-249404 (Uttarakhand)

## PPY-103: APPLICATION OF PSYCHOLOGY

### Unit-1

**Abnormal and Clinical Psychology:** Concepts and classifications of abnormality; Causes of abnormality- Biogenic, Psychogenic, Sociogenic; Neuroses and Psychoses; Anxiety disorders, Mood disorders, Psychotic disorders; Learning disorders; Psychotherapeutic methods- Psychoanalytic, Behaviour Therapy, Cognitive Therapy, Client Centered Therapy, Group Therapy; Mental Health and hygiene.

### Unit-2

**Social Psychology:** Nature and Scope of social psychology; Methods of social psychology- Observation, Experimental and questionnaire; Attitude- Nature and Formation, Measurement and theories of attitude change- Cognitive consistency and Social learning; Prejudice and Stereotypes; Interpersonal attraction; Group processes- Group formation, group effectiveness and group dynamics; Leadership- Nature, Types and theories of leadership- Trait theory, Situational theory, Contingency theory and Path-goal theory.

### Unit-3

**Health Psychology:** Stress: Concept of stress, History and present status, types of stressors- Physiological, Psychological, Environmental and Social, Responses to stress- Physiological and Psychological, Positive role of stress, Stress, Personality and Social Support as Psycho-social linkage of ill health: Cardio-vascular Disorders: AIDS/ HIV: Diabetes Mellitus: Pain, Cancer Health Promotion and Disease Prevention: Behavior Risk Factors (e.g. Drug and Alcohol use; unsafe sexual behavior; smoking, diet, sedentary life style).

### Unit-4

**Industrial and Organizational Psychology:** Industrial Psychology- Nature, scope and methods. Job Analysis and personnel selection. Training and development- Principles and methods, Job evaluation, performance appraisal. Motivation and work- Theories of work motivation (Maslow, Herzberg and Vroom). Job satisfaction and industrial morale. Management of organizational behaviour- communication, organizational stress and mental health.

### Unit-5

**Guidance and Counselling:** Concepts and areas of guidance. Techniques of guidance. Individual and Group guidance; Counselling- Nature, Goals and Principles of counseling. Role and functions of counselors and their professional training. Approaches to counseling- Directive, Non Directive, Behaviouristic, Gestalt and humanistic. Areas of counseling- Educational, vocational, personal, occupational.

CAJ.09  
13/10/21  
HEAD

Note: The Examiner (paper setter) will set questions from the whole syllabus.

**Books Recommended: –**

1. Baron (2004) Samajik Manovigyan. Pearson Education. ISBN-13 : 978-8129701954
2. Blum & Naylor (1982) Industrial Psychology: Its Theoretical & Social Foundations. CBS Publication, New Delhi
3. C.P. Khokhar (2003). A Text Book of Stress, Coping and Health. Shalab Publication. ISBN-13: 978-8188681112
4. Ghosh (2014) Health Psychology: Concepts in Health and Well-being. Pearson Education India. ISBN-13: 978-9332537620
5. James C. Coleman, James N. Butcher (1984) Abnormal Psychology and Modern Life. Pearson Scott Foresman. ISBN-13 978-0673158864 :
6. JN Vyas (2016) Textbook of Postgraduate Psychiatry (2 Volumes) Jaypee Brothers Medical Publishers. ISBN-13: 978-9351529101
7. John B. Campbell, Calvin S. Hall and Gardner Lindzey (2007) Theories of Personality Wiley ISBN-13: 978-8126510924
8. M. Asch (2009). Principles of Guidance and Counselling. New Delhi: Sarup and Sons.
9. Meena Hariharan (2020) Health Psychology: Theory, Practice and Research SAGE Publications India ISBN-13: 978-9353883492
10. Nyla R. Branscombe, Robert A. Baron and Preeti Kapur (2017) Social Psychology. Pearson ISBN-13: 978—9332586116
11. O.P. Sharma (2011). *Samaj Manovigyan*. Ritu Publication, Jaipur
12. R. K. Ojha (1986). *Odyogik Manovigyan*. Vinod Pustak Mandir, Agra-2 (Hindi)
13. Ronald E. Riggio (2012) Introduction to Industrial and Organizational Psychology Pearson ISBN-13: 978-0205254996
14. S.K. Srivastava (2005). Organizational Behaviour and Management. New Delhi :Sarup and Sons Publishers.
15. Samuel T. Gladding, Promila Batra (2018) Counseling: A Comprehensive Profession Pearson Education ISBN-13: 978-9353061807
16. Shah Alam (2008). Basics of Guidance and Counselling. New Delhi: Global Vision Publishing House.
17. Shahid Husan (2004). *Naidanik Manovigyan*. Motilal Banarsidas, Delhi ISBN: 978-8120824140
18. Sheldon A. Corchin (2004). Modern Clinical Psychology, CBS Publication New Delhi. ISBN-13 978-8123909479 :
19. अमरनाथ राय एवं मधु अस्थाना (2017) निर्देशन एवं परामर्शन (सम्प्रत्य, क्षेत्र एवं उपागम) मोतीलाल बनारसीदास ISBN-13: 978-8120821934
20. अरुण कुमार सिंह (2016) उच्चतर नैदानिक मनोविज्ञान ISBN-13: 978-8120824027
21. अरुण कुमार सिंह (2017) व्यक्तित्व का मनोविज्ञान मोतीलाल बनारसीदास ISBN-13: 978-8120821996
22. अरुण कुमार सिंह (2017) समाज मनोविज्ञान की रूपरेखा | मोतीलाल बनारसीदास ISBN-13: 978--8120827219
23. आर एन सिंह (2014) आधुनिक सामाजिक मनोविज्ञान | श्रीविनोद पुस्तक मंदिर ISBN-13: 978—8174572615
24. मुहम्मद सुलेमान, आधुनिक औद्योगिक एवं संगठनात्मक मनोविज्ञान | मोतीलाल बनारसीदास ISBN-13: 978-8120827189
25. विकास कुमार (2020) स्वास्थ्य मनोविज्ञान | मोतीलाल बनारसीदास ISBN-13: 978-8120842663
26. अरुण कुमार सिंह (2016) आधुनिक असामान्य मनोविज्ञान ISBN-13: 978-8120822245
27. हंस कुमार कपिल (2018) आधुनिक सन्दर्भ में मनोविकृति विज्ञान | एच पी भार्गव बुक हाउस