

**DEPARTMENT OF PSYCHOLOGY**  
**Gurukul Kangri (Deemed to be University), Haridwar**  
**Pre Ph.D. course work in Psychology**  
**(w.e.f. Academic Session: 2020-2021 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 Ph.D. shall comprise of two theory papers. The course will be completed in one semester. The student shall have to pass in the each theory paper.

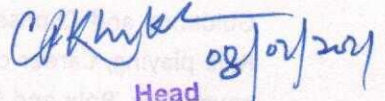
**Duration:** One Semester.

The distribution of two theory papers is as follows-

**Pre Ph.D. Course Work**

Paper Code	Name of the Paper	MARKS		Total Marks	Credit
		Internal Assessment	External Examination		
PPY-101	Application of Psychology	30	70	100	6
PPY-102	Research Methodology, Computer Application & Research Ethics	30	70	100	6

In a semester there shall be two theory papers each of 100 marks (2x100=200). The duration of examination shall be 03 hours for each theory paper. In a theory paper out of 100 marks, 30 marks shall be assessed through internal assessment (As per Ph.D. rules & regulations) of the student by the concerned faculty member/supervisor on the basis of student's academic activities, classroom presentation/Seminar on his/her research related topic, and knowledge of research activities including review of literature, preparation and presentation of research plan proposal etc. The semester end examination shall consist of 70 marks in each theory paper. A theory paper shall be divided into five units and two questions will be formed from each unit. Students will have to answer five questions, selecting one question from each unit. However, HOD will act as coordinator during the Internal Assessment. The details of the course structure of each paper are given below:-

  
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**SYLLABUS FOR Pre Ph.D. COURSE WORK**

**SUBJECT: PSYCHOLOGY**

**PPY-101: APPLICATION OF PSYCHOLOGY**

Marks- 70  
Time – 03 Hrs.

**Unit-1**

**Abnormal and Clinical Psychology:** Concepts and classifications of abnormality. Causes of abnormality- Biogenic, Psychogenic, Sociogenic. Neuroses and Psychoses- Types and Etiology. Psychosomatic disorders. Psychotherapeutic methods- Psychoanalytic, Behaviour Therapy, Group Therapy and Client Centered 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 development. Measurement and theories of attitude change. Prejudice and Stereotypes, Interpersonal attraction. Group processes- Group formation, group effectiveness and group dynamics. Leadership- Nature, Types and theories of leadership.

**Unit-3**

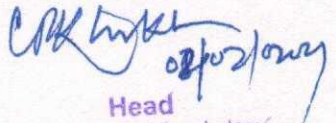
**Health Psychology:** Stress: Concept of stress, History and present status, types of stressors- Physiological, Psychological, Environmental and Social, Responses to stress- Physiological and Psychological, Positive role of stress, Personality and Social Support as Psychosocial linkage of ill health: 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- Group guidance, Role playing, Career counseling, Case study and Interview. 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,

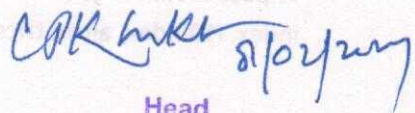
  
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vocational, personal, occupational guidance programme. Exceptional Children- Gifted, Retarded and Handicapped.

Note: The Examiner (paper setter) will set 10 questions from the whole syllabus and two questions will be compulsory from each unit. The student shall be required to attempt five questions out of ten, selecting one question from each unit. All questions carry equal marks.

**Books Recommended:-**

1. A.K. Singh (1998). Uchhtar Naidanik Manovigyan, Motilal Banarsidas, Delhi
2. Shahid Husan (2001). Naidanik Manovigyan, Motilal Banarsidas, Delhi
3. Sheldon A. Corchin (1990). Modern Clinical Psychology, CBS Publication New Delhi
4. Baron, R. A. Byrne, D. (2002). Social psychology. New Delhi: Prentice Hall.
5. Baron, R.A. and Byrne, D. (2008) Samajik Manovigyan (Hindi Sanskaran). Delhi: Pearson.
6. Singh, A.K. (2009). Samaj Manovigyan Ki Rooprekha . Delhi: Moti Lal Banarsidas.
7. O.P. Sharma (2011). Samaz Manovigyan, Ritu Publication, Jaipur
8. Singh, A. K. (2010). Vyaktitva Ka Manovigyan, Motilal Banarsidas, New Delhi.
9. G.C.Hall and G Lindzey: Theories of Personality, John Wiley, New York
10. Blum & Naylor (1982) Industrial Psychology, Its Theoretical & Social Foundations CBS Publication, New Delhi
11. Muhammad and Dr. Vinay Kumar Choudhary (1991). Adhunik odyogik avum sangathnatmak manovigyan, Motilal Banarsidas, Delhi (Hindi)
12. R. K. Ojha (1986). Odyogik manovigyan, Vinod Pustak Mandir, Agra-2 (Hindi)
13. Amarnath Rai and Madhu Asthana (2006). Guidance and Counselling. Varanasi : Motilal Banarasidas.
14. M. Asch (2009). Principles of Guidance and Counselling. New Delhi : Sarup and Sons.
15. Shah Alam (2008). Basics of Guidance and Counselling. New Delhi : Global Vision Publishing House.
16. J.C. Coleman (1964). Abnormal Psychology and Modern Life. Traporevala sons co.pvt. ltd Bombay
17. S.K.Srivastava (2005) Organizational Behaviour and Management. Sarup & Sons Publisher, New Delhi
18. C.P.Khokhar (2007) A Text Book of Stress, Coping and Health. Shalabh Publishing House, Shastri Nagar, Meerut.



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**PPY-102: RESEARCH METHODOLOGY, COMPUTER APPLICATION AND RESEARCH ETHICS**

Marks- 70  
Time – 03 Hrs.

**Unit-1**

**Research Methodology:** Meaning, Nature and Types of Research. Meaning, Nature, Source, Types, Selection and Statement of Research Problem. Meaning, Types and Formulation of Hypothesis. Qualities of a Good Test, Test Construction. Meaning and Types of Reliability. Concept and Types of Validity. Nature and Problem of Experimental Control, Techniques of Control. Meaning and Types of Variables. Sample and Sample size. Meaning, Significance and Types of Sampling. Experimental Design- Meaning and Types (within, between, factorial). Meaning and types of Quasi Experimental Designs. Report writing Style: Thesis and Research Paper.

**Unit-2**

**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-III ways) and ANCOVA. Chi-Square Test. Item analysis, Factor analysis, Meta analysis. Methods of Qualitative Analysis.

**Unit-3**

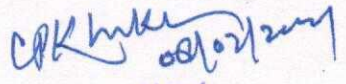
**Computer Application:** Basics of Computer: Components of computer, Types of computers, Hardwares and Softwares, Operating system, Memory and storage, Virus and Antivirus, Network and Internet, Installation and Formating; MS-Word: Basics and uses; MS-Excel: Basics and uses; MS-Power point: Basics and Uses; SPSS: Basic and Uses. Application of computer in Psychological research.

**Unit-4**

**Research & Publication Ethics:** Introduction to philosophy: Concept, definition, nature, scope and branches; Ethics: definition, moral philosophy, nature of moral judgments and reactions; Ethics with respects to science and research; Intellectual honesty, and research integrity; Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP); Redundant publications: duplicate and overlapping publication, salami slicing; Selective reporting and misrepresentation of data; Publication ethics: introduction and importance; Conflict of interest; Publication misconduct: concept, definition, problems that lead to unethical behavior and vice versa, types; Predatory publishers and journals; Patent and Copyright; Ethics of Psychological Research.

**Unit-5**

**Software, Databases & Research Metrics:** Open access publications and initiatives; Use of plagiarism software (Turnitin, Urkund etc); Indexing databases; Citation databases- Web of Science, Scopus, etc; Impact factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score; Metrics: h-index, g-index, i10index, altmetrics.

  
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2: Students can use simple calculator (Without Programming/ Nonscientific) during the Examination.

3: Statistical Tables will be provided during the Examination.

**Books Recommended:-**

1. F. N. Kerlinger (1986). Foundation of Behavioural Research. Surjeet Publication, Delhi.
2. K. D. Broota (1992). Experimental Design in Behavioural Research. Wiley Eaten, New Delhi.
3. D. K. Bhattacharya (2003). Research Methodology, New Delhi.
4. F. J. McGuigan (1968). Experimental Psychology-A Methodological Approach. Prentice Hall. New Delhi.
5. Ranjit Kumar (2006). Research Methodology: A step by step guide for beginners. Pearson Education, New Delhi
6. J. Levin and J. A. Fox (2006). Elementary Statistics in Social Research. Pearson Education, Delhi
7. H. E. Garret (1986). Statistics in Psychology and Education. David, McKay Co. Inc, New York
8. S. K. Mangal (2006). Statistics in Psychology and Education. Prentice Hall, Delhi.
9. J. P. Guilford (1954). Psychometric Methods. McGraw-Hill, New York.
10. A. K. Singh (1986). Test Measurement and Research Methods in Behavioural Sciences. Tata McGraw-Hill, New Delhi.
11. A. Anastasi (1990). Psychological Testing. McMillor. 12. K. V. S. Sarma (2001). Statistic Made Simple: Do it Yourself on Pc.
12. Bird, A. (2006). Philosophy of Science. Routledge.
13. MacIntyre, Alasdair (1967). A short History of Ethics. London.
14. P. Chaddah (2018). Ethics in Competitive Research: Do not get scooped; do not get plagiarized, ISBN: 9789387480865
15. 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.
16. Resnik, D.B. (2011). What is ethics in research & why is it important. National Institute of Environmental Health Sciences, 1-10. Retrived from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>
17. Beall, J. (2012). Predatory publishers are corrupting open access. Nature, 489 (7415), 179. <https://doi.org/10.1038/489179a>
18. Indian National Science Acacemy (INSA). Ehics in Science Education, Research and Governance (2019), ISBN: 978-81-939482-1-7. [http://www.insaindia.res.in/pdf/Ethics\\_Book.pdf](http://www.insaindia.res.in/pdf/Ethics_Book.pdf)

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08/04/2019

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