

# INDIRA GANDHI UNIVERSITY MEERPUR- REWARI

(Established under State Legislature Act 29 of 2013)



## DEPARTMENT OF PSYCHOLOGY

(FACULTY OF BEHAVIOURAL AND COGNITIVE SCIENCES)

**Scheme and Syllabi of Examination for Ph.D. Course work (Psychology)**  
**in accordance with the latest Ph.D. ordinance and w.e.f. the Session 2025-26**

## INTRODUCTION

The entire Ph.D course work syllabus is spread over in one semester consisting of total **12 credits** and framed in accordance with the latest Ph.D. ordinance (2025-26) of the Indira Gandhi University, Meerpur-Rewari. The evaluation pattern both for internal as well as external examinations is as per University Regulations.

### Programme Structure and Scheme of Examination

Ph.D. Coursework work (Psychology)

**Total Credits: 12**

**Maximum Marks = 300**

Nomenclature of the Course	Course Code	Contact Hours per week	Credits	Examination Scheme		
				Theory	Internal Assessment	Total Marks
Research Methodology	25L8.0-PSY-101	4	4	70	30	100
*Recent Trends in Psychology	25L8.0-PSY-102(A)	4	4	70	30	100
*Applied Psychology	25L8.0-PSY-102(B)					
Research & Publications Ethics	25L8.0-RPE-103	2	2	40	10	50
Review of Literature and Seminar**	25L8.0-PSY-104	2	2	-	50	50
<b>Total</b>		<b>12</b>	<b>12</b>	<b>180</b>	<b>120</b>	<b>300</b>

**Note:** - \*Subject Elective : Students need to choose any one subject.

\*\*Students must review 15-20 research papers in their area of interest. Seminar in thrust area Research Assignment /Literature/Survey, etc will be evaluated by DRC. In case of a dispute, the Chairperson's decision shall be final.

### Distribution of Internal Assessment

Total Internal Marks	Written Test	Written Assignment	Presentation
<b>30</b>	10	10	10
<b>10</b>	-	10	-

**Note:** Records must be maintained for at least six months after the result declaration. The syllabus and scheme of examination for the course Research and Publications Ethics will be followed and implemented in accordance with the instructions at University level.

## **Ph.D. COURSE WORK (PSYCHOLOGY)**

<b>Ph.D. Course Work</b>	<b>Course Name</b>	<b>Course Code</b>
<b>Total: 100 marks</b>		<b>25L8.0-PSY-101</b>
<b>Internal Assessment marks: 30</b>	<b>RESEARCH METHODOLOGY</b>	<b>Credits: 4(Hrs/week: 4)</b>
<b>Examination: 70 marks</b>		<b>Time: 3 hours</b>
<b>Note:</b> The question paper shall be divided into TWO sections. <b>Section A</b> shall comprise FIVE short answer type questions from the syllabus carrying TWO marks each, which shall be compulsory. <b>Section B</b> shall comprise eight questions having TWO questions from each unit and 15 marks each. The examiner may split the questions into parts (if required) and assign the marks accordingly. The students will be required to attempt FOUR questions, selecting ONE from each unit. All questions will carry equal marks.		

### **Course Objectives:**

1. To introduce the nature and basic theoretical system of methodology of Psychology
2. The objective of this course is to enhance the knowledge of the students with the methodological aspects of conducting research, especially in the field of Psychology.
3. To apprise the students of the advances in the field of Research Methodology
4. To understand the various measurement scales and presentation of data.
5. To introduce about the SPSS application and their uses in psychological research.
6. To understand about research report writing and ethics.

### **Course Outcomes:**

On completion of this course, the scholars will be able to:

1. Understand basic concepts of research and its methodologies.
2. Scholars would be able to identify a research problem stated in a study.
3. It would enable the scholars to distinguish a purpose statement, a research question or hypothesis, and research objectives.
4. It would help the scholars to identify the overall process of designing a research study from its inception to its report.
5. Scholars would be able to use of SPSS in Psychological research.
6. Scholars would be able to understand about the research report writing and ethics.

### **Unit-I**

Psychological Research: Definition, Nature and Types, Basic Steps; Formulation of Research problem, Research Objectives, Hypothesis; Variable; Methods of Data collection. Research Process.

### **Unit-II**

Research Design: Types (Quantitative and Qualitative) and Functions; Between Subjects and Within Subjects Design. Sampling Techniques: Meaning and Types; Determination of Sample Size.

### **Unit-III**

Measurement Scales: Nominal, Ordinal, Interval and Ratio. Graphical and Tabular Presentation of Data, Presentation of Tables, Use of Appropriate Graphs.

Introduction to SPSS: Basic Features, Data Entry and Editing of Data; Using SPSS for different statistical analyses.

### **Unit-IV**

Selection of Appropriate Statistical Analysis.

Analysis of Data: Procedure and Applications of Correlation Analysis, Comparative Analysis, Analysis of Variance, Regression Analysis, Factor Analysis and ANOVA

### ***Suggested Readings:***

- Malhotra, Naresh K.: Marketing Research an Applied Orientation, 5th edition, Pearson.
- Cooper and Schindler: Business Research Methods, 8th edition, Tata McGraw Hill.
- Kothari, C. R.: Research Methodology, New Age International Publishers.
- Shekharan & Uma: Business Research Methods-A Skill- Building Approach, 7th ed., New York, John Willy, 2002.
- Creswell, John W.: Research Design-Qualitative & Quantitative Methods, New York, John Willy, 2002.
- Broota, K. D. (1989). Experimental design in behavioural research. New Age International.
- Singh, A.K. (2017) (reprint). Tests, measurements and research methods in behavioural sciences. New Delhi: Bharat Bharti.

### ***Online Video:***

- Kaushik, N. [Neeraj Kaushik]. (2021, March 22). *Research Methodology Lecture-1 (Extracting the variables from the Objective)* [Video]. YouTube. <https://youtu.be/fGqQ88LGAFA>
- Kaushik, N. [Neeraj Kaushik]. (2021, March 25). *Research Methodology Lecture-3 (Measurement & step for choosing appropriate tool/technique)* [Video]. YouTube. <https://youtu.be/J9-gfQ46w10>
- IIT Roorkee. (2025, July 29). *Lec 14: What is methodology in research?* [Video]. YouTube. <https://youtu.be/2mMrmyz09uY>
- *Formulation of Research Question* [Video]. (2019, June 2). YouTube. <https://youtu.be/8uiU59Vp5ps>

**Elective-1**  
**Ph.D. COURSE WORK (PSYCHOLOGY)**

Ph.D. Course Work	Course Name	Course Code
<b>Total: 100 marks</b>		<b>25L8.0-PSY-102(A)</b>
<b>Internal Assessment marks: 30</b>		<b>Credits: 4(Hrs/week: 4)</b>
<b>Examination: 70 marks</b>		<b>Time: 3 hours</b>
<p><b>Note:</b> The question paper shall be divided into TWO sections. <b>Section A</b> shall comprise FIVE short answer type questions from the syllabus carrying TWO marks each, which shall be compulsory. <b>Section B</b> shall comprise eight questions having TWO questions from each unit and 15 marks each. The examiner may split the questions into parts (if required) and assign the marks accordingly. The students will be required to attempt FOUR questions, selecting ONE from each unit. All questions will carry equal marks.</p>		

**Course Objectives:**

1. To develop an in-depth understanding of cognitive processes and explore how individual, gender, and cultural factors influence cognition.
2. To introduce the fundamental concepts, origins, and goals of Positive Psychology, emphasizing human strengths, virtues, and well-being from both Western and Eastern perspectives.
3. To familiarize students with the core principles, scientific approaches, and applications of Indian Psychology, highlighting contributions from Yoga, Meditation, Jainism, Buddhism, and the Bhagavad Gita.
4. To understand the nature, scope, and importance of Sports Psychology, focusing on personality traits, cognitive strategies, and motivational factors affecting athletic performance.
5. To promote the application of psychological theories and empirical knowledge across cognitive, positive, Indian, and sports psychology domains for enhancing human potential and optimal functioning.

**Course Outcomes:**

On completion of this course, the scholars would be able to:

1. Explain the nature of cognitive processes and analyze how individual, gender, and cultural variations influence cognition and information processing.
2. Demonstrate understanding of the principles, goals, and assumptions of Positive Psychology, and apply knowledge of human strengths and virtues to promote well-being.
3. Integrate concepts from Indian psychological traditions such as Yoga, Meditation, Jainism, Buddhism, and the Bhagavad Gita to understand human behavior and consciousness.
4. Evaluate the psychological determinants of sports performance, including personality traits, cognitive strategies, and motivation among athletes and special populations.
5. Apply theoretical insights from cognitive, positive, Indian, and sports psychology to enhance personal growth, professional practice, and holistic human development.

**Unit-I**

Cognitive Psychology Concept & Processes: Sensation, Perception, Learning & Memory. Cognition in Cross-cultural perspective.

**Unit-II**

Positive Psychology: Origin, Assumptions and Goals of Positive Psychology. Positive Psychological Intervention. Eastern Perspective on Positive Psychology.

Virtues and Strengths of Character: Classification of Human Virtues and measuring Strengths of Character.

### **Unit-III**

Indian Psychology: Scientific Method and Applications of Indian Psychology.

Psychological Perspectives: Fundamental assumptions of Yoga, Meditation, Jainism, Buddhism, and Bhagwat Gita.

### **Unit-IV**

Recent Artificial Intelligence (AI) application for Psychological Intervention.

Application of AI in Mental Health: Opportunities and challenges.

***Suggested Readings:***

1. Galotti, K. M. (2014). Cognitive Psychology: In and Out of the Laboratory. New Delhi: Sage.
2. Ackerman, P. L., & Lohman, D. F. (2006). Individual differences in cognitive functions. In P. A. Alexander, P. R., Pintrich, & P. H. Winne (Eds.), *Handbook of Educational Psychology*, 2<sup>nd</sup> Edition (pp. 139-161). Mahwah, NJ: Lawrence Erlbaum Associates.
3. Cox, R.H. (2002). Sport Psychology: Concepts and Applications. New York; McGraw –Hill.
4. Singh, R. (2014). Sport Psychology. New Delhi: Friends Publications.
5. Baumgardner, S. T., & Crothers, M, K. (2009). Positive Psychology. New Delhi: Pearson.
6. Bryant, F. B., & Veroff (2007). Savoring: A new model of positive experience. Mahwah, New Jersey: Lawrence Erlbaum.
7. Matthijs Cornelissen, R. M., Misra, G., & Varma, S. (2014). Foundations and Applications of Indian Psychology. India: Pearson.
8. Rao, K. R., Paranjpe, A. C., & Dalal, A. K. (2008). *Handbook of Indian Psychology*. New Delhi: Foundation Books.

**Elective-2**  
**Ph.D. COURSE WORK (PSYCHOLOGY)**

Ph.D. Course Work	Course Name	Course Code
<b>Total: 100 marks</b>		<b>25L8.0-PSY-102(B)</b>
<b>Internal Assessment marks: 30</b>	<b>Applied Psychology</b>	<b>Credits: 4(Hrs/week: 4)</b>
<b>Examination: 70 marks</b>		<b>Time: 3 hours</b>

**Note:** The question paper shall be divided into TWO sections. **Section A** shall comprise FIVE short answer type questions from the syllabus carrying TWO marks each, which shall be compulsory. **Section B** shall comprise eight questions having TWO questions from each unit and 15 marks each. The examiner may split the questions into parts (if required) and assign the marks accordingly. The students will be required to attempt FOUR questions, selecting ONE from each unit. All questions will carry equal marks.

**Course Objectives:**

1. To introduce students to emerging domains of applied psychology such as cyber psychology, criminal psychology, psychology of ageing, and well-being.
2. To develop an understanding of human behavior in virtual, criminal, ageing, and wellness contexts through theoretical and empirical perspectives.
3. To analyze biopsychosocial factors influencing maladaptive and adaptive behaviors across various life domains.
4. To enhance students' ability to access and manage psychological issues such as internet addiction, criminal tendencies, age-related changes, and well-being deficits.
5. To promote application of psychological principles for prevention, intervention, and enhancement of individual and societal well-being.

**Course Outcomes:**

On completion of this course, the scholars would be able to:

1. Demonstrate a comprehensive understanding of emerging fields in psychology, including cyber psychology, criminal psychology, psychology of ageing, and well-being.
2. Analyze the biopsychosocial determinants underlying internet addiction, criminal behavior, ageing, and psychological well-being.
3. Apply theoretical frameworks and assessment tools to identify, evaluate, and manage behavioral and psychological issues in diverse contexts.
4. Develop preventive and intervention strategies to address maladaptive behaviors such as internet addiction and criminal tendencies, and to promote healthy ageing and well-being.
5. Integrate psychological knowledge and research evidence to enhance individual and societal mental health, resilience, and overall quality of life.

**Unit-I**

Cyber Psychology: Introduction to Cyber Psychology, Internet Addiction: Nature, types, symptoms, causes, theories, Consequences, assessment treatment and prevention.

**Unit-II**

Application of Psychology in Industrial and Organizational Settings : Selection, Motivation & Development. Emerging psychological Challenges and Intervention.

## **Unit-III**

Psychology of Ageing: Concept & Types of Ageing, Theories of Ageing- Biological, Psychological, Social theories, Age-related changes in Elderly people. The concept of Successful Ageing.

## **Unit-IV**

Psychology of well being: Bio-psychosocial indicators of well being, Impact of social support and spirituality on well being.

### ***Suggested Readings:***

1. Bartol, C.R. & Bartol, A.M.,(2004) Introduction to Forensic Psychology. Sage Publications, London.
2. Bell, P.A., Green, T.C., Fisher, J.D. and Baum A.(2001). Environmental Psychology Harcourt College Publishers, New York.
3. Chadel, N.K. et.al (2003) Psychological Implications of Information Technology. New Delhi, Deep and Deep Publications.
4. Holahan, C.J. (1978). Environment and Behaviour. Plenum Press, New York.
5. Wallace, P. (1999) Psychology of Internet. Cambridge, Cambridge University Press.

## **Ph.D. COURSE WORK (PSYCHOLOGY)**

**Maximum Marks: 50**

**Total Credits: 02**

<b>Ph.D. Course Work</b>	<b>Course Name</b>	<b>Course Code</b>
<b>Total: 50 marks</b>		<b>25L8.0-RPE-103</b>
<b>Internal Assessment marks: 10</b>	<b>RESEARCH AND PUBLICATION ETHICS</b>	<b>Credits: 2(Hrs/week: 2)</b>
<b>Examination: 40 marks</b>		<b>Time: 3 hours</b>
<b>Note:</b> The question paper shall have total eight questions of Eight marks each covering whole syllabus. The students shall be asked to attempt total five questions in all.		

### **Course Objective:**

1. To understand the philosophy of science and ethics, research integrity and publication Ethics.
2. To identify research misconduct and predatory publications.
3. To understand indexing and citation databases., open access publications, research metrics (Citations, h-index, Impact Factor, etc.).
4. To understand the usage of various plagiarism tools.

### **Course Outcomes:**

At the end of the course, the student will have awareness about the publication ethics and publication misconducts.

## **OVERVIEW**

This course has total 6 units focusing on basics of Philosophy of science and ethics, research integrity, publication ethics. Hands on sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc,) and plagiarism tools will be introduced in this course.

### **Pedagogy:**

**Class room teaching, Guest Lectures, group discussions and practical sessions. Total teaching hours shall be 30 hours.**

### **Evaluation**

**Continuous assessment will be done through assignments. Weightage will be given for active participation. Final written examination will be conducted at the end of the course.**

## **SYLLABUS IN DETAIL**

### **RPE 01: PHILOSOPHY AND ETHICS (3hrs.)**

1. Introduction to Philosophy : definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgment and reaction

### **RPE 02: SCIENTIFIC CONDUCT (5hrs.)**

1. Ethics with respect to science and research
2. intellectual honesty and research integrity
3. Scientific misconducts: Falsification, Fabrication and Plagiarism (FPP)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

### **RPE 03: PUBLICATION ETHICS (7hrs.)**

1. Publication ethics: definition, introduction and importance
2. Best practices / standard setting initiatives and guidelines: COPE, WAME, etc
3. Conflicts of interest
4. Publication misconduct: Definition, concept, problems that lead to unethical behavior and vice versa, types.
5. Violation and publication ethics, authorship and contributorship
6. Identification of publication misconduct, complaint and appeals
7. Predatory publishers and journals

### **RPE 04: OPEN ACCESS PUBLISHING (4hrs.)**

1. Open access publications and initiatives
2. SHERPA-ROMEO online recourse to check publisher copyright & self-archiving policies
3. Software tool of identify predatory publications developed by SPPU
4. Journals Finder/journals suggestion tools viz, JANE, Elsevier Journals Finder, Springer Journals Suggester, etc.

### **RPE 05: PUBLICATION MISCONDUCT (4hrs.)**

#### **A. Group Discussions (2hrs.)**

1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad

#### **B. Software tools (1hrs.)**

1. Use of plagiarism software like Turnitin, Urkund and other open-source software tools

### **RPE 06: DATABASE AND RESEARCH METRICS (7hrs.)**

#### **A. Database (4hrs.)**

1. Indexing databases
2. Citation databases: Web of Sciences, Scopus, etc

#### **B. Research Metrics (3hrs.)**

1. Impact factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
2. Metrics: h-index, g-index, i-10 index, altmetrics

## **Course Outcomes:**

At the end of the course, the students will have awareness about

1. Understanding the philosophy of science and ethics, research integrity and publication Ethics.
2. To identify research misconduct and predatory publications.
3. To understand indexing and citation databases, open access publications, research metrics (Citations, h-index, Impact Factor, etc.).
4. To understand the usage of various plagiarism tools.

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	S	S	S
CO2	S	S	S	S	S	S
CO3	M	S	S	S	S	S
CO4	S	S	S	M	S	S

### Suggested Reading

- Nicolas H. Steneck. Introduction to the Responsible Conduct of Research Office of Research Integrity, 2007. Available at: <https://ori.hhs.gov/sites/default/files/2018-04/rcriintro.pdf>
- The student's Guide to Research Ethics by Paul Oliver Open University Press, 2003.
- Responsible Conduct of Research by Adil E. Shamoo; David B. Resnik Oxford University Press, 2003.
- Ethics in Science Education, Research and Governance Edited by Kambadur Muralidhar
- Amit Ghosh Ashok Kumar Singhvi. Indian National Science Academy, 2019, ISBN: 978-81-939482-1-7. [https://www.insaindia.res.in/pdf/Ethics\\_Book.pdf](https://www.insaindia.res.in/pdf/Ethics_Book.pdf)
- Anderson B.H., Dursaton, and Poole M.: Thesis and assignment writing. Wiley Eastemn1997.
- Bijomn Gustavii; How to write and illustrate scientific papers? Cambridge University Press.
- Bordens K\_S. and Abbott, B.b. Research Design and Methods, Me Graw Hill, 2008
- Graziano, A., M., and Raulin, M.L. Research Methods - A process of Inquiry. Sixth Edition, Pearson, 2007.
- Bird, A. (2006). Philosophy of Science. Routledge
- Macintyre, Alasdair (1967) A Short History of Ethics. London.
- P. Chaddah, (2018) Ethics in Competitive Research: Do not get scooped; do not get plagiarized, ISBN: 978-9387480865
- 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.
- 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>
- Beall). (2012), Predatory publishers are corrupting open access. Nature, 489(7415). 179-179. <https://doi.org/10.1038/489179a>

### **Ph.D. COURSE WORK (PSYCHOLOGY)**

**Maximum Marks: 50**

**Total Credits: 02**

Ph.D. Course Work	Course Name	Course Code
<b>Total: 50 marks</b>	<b>REVIEW OF LITERATURE AND SEMINAR COURSE</b>	<b>25L8.0-PSY-104</b>
<b>Internal Assessment marks: 50</b>		<b>Credits: 2(Hrs/week: 2)</b>
		<b>Time: 3 hours</b>
<b>Note:</b> Students must review 15–20 research papers in their area of interest. Seminar in thrust area Research Assignment /Literature/Survey, etc will be evaluated by DRC. In case of a dispute, the Chairperson's decision shall be final.		