

# Department of Psychology

Scheme of Examination

For

Ph.D. Course Work

For the Academic Session 2024-25



*Approved*

*Shreyans*  
*16/1/25*

*Sci. Officer*

Gurugram University, Gurugram

## Programme Specific Outcomes Ph.D. Psychology

- PSO 1: The Pre-Ph.D. course work in psychology attempts to make it easier to learn specific information and instill the appropriate attitudes and values needed for conducting research and practicing psychology.
- PSO 2: Students will become familiar with viewpoints, pedagogy, and their effects in order to achieve this.
- PSO 3: The course would give students the opportunity to pursue both their academic interests in certain areas of psychology and their quests for socially relevant lives and personal development.
- PSO 4: Students would be able to conduct significant research in the discipline or in interdisciplinary areas with the assistance of an advisor.
- PSO 5: Students would be able to understand various statistical approaches, their interpretation and would be able to produce the research work bearing in view the numerous ethical issues involved.
- PSO 6: Students will gain knowledge about the relevance and ramifications of the conducted research.



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## Scheme of Examination

### Ph.D. Course work (Psychology)

Course Code	Title of the course	Theory Marks	Internal Marks	Practical Marks	External Marks	Total Marks	Credits L+T+P	Time
Ph.D PSY -101	Advances in Research Methodology	80	20	-	-	100	4+0+0	4 Hrs
Ph.D PSY -102	Recent Trends in Psychology	80	20	-	-	100	4+0+0	4 Hrs
Ph.D PSY -103	*Practicum : Computer Applications in Psychological Research Project Report: Library Review Based	-	-	-	100	100	0+0+4	4 Hrs
Ph.D PSY -104	Research and Publication Ethics	35	15	-	-	50	2+0+0	2 Hrs
	<b>Total Credits</b>						14	

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PAPER- Ph.D PSY -101

SEMESTER I  
ADVANCES IN RESEARCH METHODOLOGY

Course Outcomes

Learning Objectives:

- Develop understanding of development and testing of research ideas and research designs.
- To impart knowledge about Analysis of Variance.
- Impart knowledge and understanding of Correlational techniques and Regression.
- Familiarize the students with qualitative techniques in Psychology research.

Learning Outcomes:

- Students be would be able to develop and test research ideas and apply the knowledge of research designs in planning and analyzing research.
- Students would gain knowledge about the assumptions, technique and applications of ANOVA.
- Students would gain knowledge about special Correlational and regression analysis.
- Students would gain knowledge about techniques and applications of qualitative research.

Credits: 4

M.Mark : 100  
Internal Assessment: 20  
Examination: 80 Marks  
Time: 3hrs

- Note:- A) Eight questions would be set in all.  
B) There would be two questions from each of the four units.  
C) Candidate would be required to attempt four questions (selecting one from each unit.)

UNIT-I

Development and Testing of Research Ideas.

Experimental Designs: Randomized block, Latin Square and Multifactor design, Quasi Experimental design.

UNIT-II

Analysis of Variance: Uses, Assumptions and Applications of ANOVA in Psychological Research.

ANOVA: Independent and equal N (One way, two way and three way); Repeated Measures (One way and two way) with repeated measures on one and both factors.

UNIT - III

Special correlations : Uses and Applications; Biserial, Point Biserial, Tetrachoric and Multiple correlation.

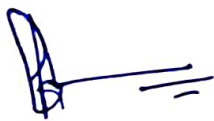
Regression: Uses, Assumptions and Limitations ; Simple and Multiple Regression

UNIT-IV

Qualitative Analysis: Applications, Assumptions and Limitations.

Qualitative Methods: Content analysis, Grounded Theory, Category Identification, Narratives.

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**Learning Objectives:**

- Development understanding of Cognitive Psychology in Differential and Cross-cultural perspective.
- Familiarization with the nature and contemporary issues in Military Psychology.
- To understand the nature and relevance of Media psychology.
- Gain knowledge of the theoretical aspects and applicability of Political Psychology.

**Learning Outcomes:**

- Students would be able to relate theories and the findings from research studies in Cognition to research and professional areas.
- Students would be sensitized to the utility and applicability of Psychology in defence Services.
- Students would be able to comprehend and apply the psychological processes underlying media effects or influences to research and professional areas.
- Students would be able to comprehend and apply the psychological processes underlying politics to research and professional areas.

Credits: 4

M.Mark : 100  
Internal Assessment: 20  
Examination: 80  
Time: 3 hrs.

Note:- A) Eight questions would be set in all.

B) There would be two questions from each of the four units.

C) Candidate would be required to attempt four questions (selecting one from each unit.)

**UNIT-I**

Cognitive Psychology: Individual differences in Cognition; Gender differences in Cognition; Cognition in Cross-cultural perspective.

**UNIT-II**

Military Psychology: Nature and Scope; Contemporary Issues and Emerging Trends; Selection, Allocation and Training.

**UNIT-III**

Media Psychology: Nature and scope; Influences of Films on behavior; Portrayal of Social groups in Films; Films and Behavior transformation.

**UNIT-IV**

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Political Psychology: Psychologies underlying Political Psychology; Psychology of Racism and Intolerance; Psychology of voting behavior.

**Recommended Books:**

Galotti, K.M.(2014). Cognitive Psychology: In and Out of the Laboratory. New Delhi: Sage

Giles, D.C. (2010). Psychology of the media. Basingstoke: Palgrave.

Giles, D.C. (2003). Media psychology. Mahwah, NJ: Lawrence Erlbaum Associates.

Hall, R. & Mangelsdroff, A.D. (1991). Handbook of Military Psychology. USA: John. Wiley & Sons.

Houghton, D.P. (2009). Political Psychology: Situations, Individuals, and Cases. New York and London: Routledge.

Huddy, L., Sears, D.O., & Levy, J.S. (2013) The Oxford Handbook of Political Psychology. New York: Oxford University Press.

Kennedy, C.H. & Zillmer, E.A. (2006). Military Psychology: Clinical and Operational Applications. N.Y: Guilford Press.

Ramachandran, K. (in press). Handbook of Military Psychology. Delhi: DIPR.

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Paper- Ph.D PSY -103

**PRACTICUM  
Course Outcomes**

**Learning Objectives:**

- To familiarize the students with computer applications in psychological research.
- To train the students for library based project work.

**Learning Outcomes:**

- Students would gain mastery in computerized analyzing of data using software packages.
- Students would be able to write review based articles.

Credits: 4 (8 hrs/week)

**M.Marks: 100**

**Time : 3 hrs.**

**M.Mark : 50**

**a) *Computer Applications in Psychological Research***

Each student will be familiarized with calculation procedure and Tabulations of results of the following statistical analysis using Statistical/ SPSS software. Evaluation of will be on the basis of Performance, Report and Viva.

- Computation of ANOVA - Independent and equal N (two way and three way); Repeated Measures (One way and two way) with repeated measures on one and both factors with post hoc analysis.
- Computation of Correlation – Bivariate, Multivariate, Partial.
- Computation of Regression - Simple, Multiple.

**b) *Project Report: Library Review Based***

**M.Mark :50**

Each Student will undertake a library review on a topic to be assigned by supervisor (Dissertation) and submit a report. However, the topic will be different from the topic of dissertation. Evaluation of will be on the basis of Report and Viva.

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## Research and Publication Ethics (RPE)

Course Id: 24/PHD/COM01:

Credits: 02 (30 hrs)

Total Marks: 50 (External =35 Marks + Internal=15 Marks)

**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 discussion, and practical sessions.

### Learning Outcome

- By the end of the Course, students will be able to understand the importance of being ethical in carrying out research and publication activities. They will be able to differentiate the quality publication practices and how to be cognisant about dubious publishing practices/publishers. More importantly, there will be an increased awareness about 'open access' and contribution of research output to open access publishing platforms. The learners will also get acquainted with the software/databases which are necessary for carrying out research work.

### Detailed Syllabus

#### THEORY:

#### Instructions for q.paper setter:

- The question paper shall comprise eight questions of Seven Marks each (at least one question from each unit). The students will be required to attempt five questions.
- The internal assessment will be done through tutorials, assignments, quizzes and Group discussion. Weightage will be given for active participation.

#### Unit 1: Philosophy and Ethics (3 hrs)

1. Introduction to philosophy: definition, nature and scope, concept, branches
2. Ethics; definition, moral philosophy, nature of moral judgments and reactions.

#### Unit 2: Scientific Conduct (5 hrs)

1. Ethics with respect to science and research
2. Intellectual honest and research integrity
3. Scientific misconducts: falsification, fabrication, and plagiarism,
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data.

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### Unit 3: Publication Ethics (7 hrs)

1. Publication ethics: definition, introduction and importance
2. Best practices/standards 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 of publication ethics, authorship and contributor ship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals

### PRACTICE:

#### Unit 4: Open Access Publishing (4 hrs)

1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright and self-archiving policies.
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder/ journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggested, etc.

#### Unit 5: Publication Misconduct (4 hrs)

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

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 (2 hrs):

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

#### Unit 6: Databases and Research Metrics (7 hrs)

##### A Databases (4 hrs)

1. Indexing databases
2. Citation databases; Web of Science, Scopus, etc.

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

1. Impact Factor of journal as per journal citation report, SNIP, SJR, IPP, Cite Score.
2. Metrics: h-index, g index, i10 index, altmetrics

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