

## SCHEME OF EXAMINATION OF M.PHIL (PSYCHOLOGY) 2015-16

### SEMESTER-I

Paper No.	Nomenclature of the paper	M.Marks		Time
		Seminar	Exam.	
I	Advanced Research Methods	20	80	3 hrs.
II	Applied Psychometrics	20	80	3 hrs.
III	*Practicum: Research Applications		100	3 hrs.
	a) Computer Applications & Research		40	
	b) Test construction and adaptation		60	

\*Examination would be based on report, conduct and viva.

### SEMESTER-II

IV	Advances in Psychology	20	80	3 hrs.
V	<b>Optional (any one of the following to be opted)</b>			
	i) Environment and Behaviour	20	80	3 hrs.
	ii) Community Psychology	20	80	3 hrs.
	iii) Psychology of Self	20	80	3 hrs.
	iv) Organizational Behaviour	20	80	3 hrs.
VI	*Practical: Theoretical Research (Library based)		100	3 hrs.

Examination would be based on Report and Viva.

### SEMESTER-III

Dissertation	200
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**Note-I :** The topic of the Seminars will be assigned to every student by the class teacher concerned and it will be evaluated by a panel of examiners consisting of two (HOD + concerned teachers of the paper) members. The seminar of 20 marks would be equally distributed for term paper and the presentation (10 marks each)

**Note-II :** The topic of dissertation and supervisor shall be approved by Departmental M.Phil Committee during the first semester.

M.PHIL (SEMESTER-I) PSYCHOLOGY (2015-16)

**PAPER-I**

**ADVANCED RESEARCH METHODS**

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

Development and Testing of Research Ideas

Nature, Methods of collecting and General Principles of analyzing data.

UNIT-II

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

Analysis of Variance: up to three ways ANOVA (for equal N)

Analysis of Co-variance – (Single factor)

UNIT-III

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

UNIT-IV

Factor analysis: purpose and interpretation

Generalization, Explanation and Prediction in Psychology

**References:-**

Broota K.D. (1989) **Experimental Design in Behavioural Research**. New Delhi: Willey Eastern Ltd.

Giles, D.C. (2002) **Advanced Research Methods in Psychology**. New York: Rutledge.

Hair, J.F. Anderson, R.E., Tatham, R.L. and Black, W.C. (1995) **Multivariate Data Analysis**, Jersey, Prentice Hall.

Kline, T.J.B. (2005) **Psychological Testing**. New Delhi: Vistaar Publications.

Mc Burney, D.H. (1994) **Research Methods**, California: Brooke/Cole.

McGuigan, F.J. (1993) **Experimental Psychology Methods of Research**. New Delhi: Prentice Hall of India.

Nachmias, D. and Nachmias, C. (1981) **Research Methods in Social Sciences**. New York: St. Martin's Press.

Ray, W.J. (2003) **Methods**. California: Thomson Wordsworth.

Shaughnessy, J.J. and Zechmeister E.B. and Zechmeister, J.S. (2000) **Research Method in Psychology**. New York: McGraw Hill.

- Siegel, S. and Castellan Jr. N.J. (1988) **Non Parametric Statistics for the Behavioural Sciences.** New York: McGraw Hill Book Company.
- Smith, J.A. (2003) **Qualitative Psychology.** London: Sage Publications.
- Smith, J.A.(2008) **Qualitative Psychology: A practical Guide to Research Methods.** New Delhi: Sage.
- Spences, B. and Bowers, D (1976) **An Introduction to Multivariate Techniques for Social and Behavioral Sciences.** London: The Macmillan Press Ltd.
- Tabachnick, B.G. and Fidell L.S. (1983) **Using Multivariate Statistics.** New York: Harper and Row Publishers.
- Winer, B.J. (1971) **Statistical Principles in Experimental Design.** London: McGraw Hill, Ltd.

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**PAPER-II**

**APPLIED PSYCHOMETRY**

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

Foundations of Psychometry – Basics of Measurement theory, Errors in measurement, Speed versus power tests; Criterion of parallel tests, Nature of psychological testing, Ethical issues in psychological testing.

UNIT-II

Creating a Test – Test/Scale construction, Standardization, Adaptation and Translation, Item Analysis and Item Response theory.

UNIT-III

Standardizing a Test – Reliability, Validity Developing norms and cut scores.

UNIT-IV

Profile Analysis, Discriminate Analysis, Multidimensional Scaling.

**References:-**

- Chadda, N.K. (2009). **Applied Psychometry**. New Delhi: Sage Publication.
- Guilford, J.P. (1984). **Psychometric Methods**. (2<sup>nd</sup> Ed.), New York: Mc Graw Hill.
- Heloday, R.D.(2012). **Basics of Research in Behavioural Sciences**. Wardha: Psycho scan.
- Husain, A. (2012). **Psychological Testing**. Delhi: Pearsons.
- Miller, L.A., McIntire, S.A., & Lovler, R.L. (2011). **Foundations of Psychological Testing**. London: Sage Publications, Inc.
- Nunnalley, J.C., & Bernstein, I.H. (2010) **Psychometric Theory**. New Delhi: Tata McGraw Hill.
- Raykov, T., & Marcoulides, G.A. (2011) **Introduction to Psychometric Theory**. New York: Taylor & Trancies Group.
- Singh, A.K. (2006). **Tests, Measurements and Research Methods in Behavioural Sciences** (5<sup>th</sup> Ed.) Patna: Bharti Bhawan.

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**Paper-III PRACTICUM: RESEARCH APPLICATIONS**

M.Mark : 100  
Time : 3 hrs.

Paper-III a) COMPUTER APPLICATIONS & RESEARCH

M.Mark : 40

Computation of ANOVA - Simple with Posthoc tests  
- Two way, Three way

Computation of Correlation – Bivariate, Multivariate, Partial

Computation of Regression - Simple, Multiple

Factor Analysis -

Each student has to calculate and familiarized with the calculation procedure using STATISTICA software and Tabulations of results.

Paper-III b) TEST CONSTRUCTION AND ADAPTATION

M.Mark : 60

Construction of Psychological Test - Steps

Item Analysis Reliability - Retest, Internal Consistency

Validity - Content, Construct, Concurrent

Norms - Development of norms

Adaptation of Psychological Tests/Translation of Psychological Tests.

Each student will work in small groups (n=5) and has to got in for developing/Translating/adopting a test by completing all steps (item analysis, reliability, validity norms).

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**PAPER-IV**

**ADVANCES IN PSYCHOLOGY**

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 Neuro Science: Perspectives on Twenty years of Cognitive Neuro Science research; Profiles of Development and plasticity in Human Cognition; Decision making and Prefrontal Executive function; Neurobiology of consciousness.

UNIT-II

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

UNIT-III

Psychology of Peace: Causes of violence and its consequences; Peace and nonviolence; Perspective from Gandhi and Martin Luther king; Role of organizations in promoting peace and challenges; Social values in promoting peace in individual and social living.

UNIT-IV

Indian Psychology: Introduction to Indian Perspectives: Upanishads, Samkhya, Vedanta, Jainism, Buddhism, Nyaya, Charvak, Bhagvadgita.

**References:-**

- Ajaya, Swami (1983). **Psychotherapy East and West: A Unifying Paradigm.** Honesdole, Penslvania: The Himalyan International Institute of Yoga Science and Philosophy of the U.S.A.
- Blumberg, H.H., Hare, A.P., & Costin, A. (2006). **Peace Psychology: A Comprehensive Introduction.** Cambridge. University Press.
- Cheistie, D.J.Wagner, R.V. & Winter, D.D. (2001) **Peace Conflict and Violence: Peace Psychology for the 21<sup>st</sup> Century.** Saddle River, N.J.: Prentice Hall.
- Fleischmen, P.R. (2004) **Cultivating Inner Peace: Exploring the Psychology, Wisdom and Poetry of Gandhi Theory and the Buddha.** San Francisco: Jossey-Bass.
- Gazzangia, M.S. (2009) **The Cognitive Neuro Science.** London: MIT Press Cambridge.
- Hall, R. & Mangelsdroff, A.D. (1991). **Handbook of Military Psychology.** USA: John. Wiley & Sons.
- Herbert, H., Hare P.A., & Costin (2009) **A Peace Psychology: A Comprehensive Introduction.** Cambridge, UK: Cambridge University Press.
- Kennedy, C.H. & Zillmer, E.A. (2006). **Military Psychology: Clinical and Operational Applications.** N.Y: Guilford Press.
- Macnare, R.M. (2008). **The Psychology of Peace: An Introduction,** Loyola Press.
- Ramachandran, K. (in press). **Handbook of Military Psychology.** Delhi: DIPR.
- Rathee, N. (Ed.) (2010). **Violence and Conflict Resolution: Contemporary Resolution.** New Delhi: Global Vision Public House.
- Shalit, B.(1988). **The Psychology of Conflict and Combat.** N.Y: Praeger.

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PAPER-V

i)

**ENVIRONMENT AND BEHAVIOUR**

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

Nature of Environmental Psychology, Theories of Environment Behaviour relationships, Research Methods.  
Environmental Perception and Cognition.

UNIT-II

Values, Beliefs and Attitudes about the environment.

Weather, Pollution and Behaviour: Heat, Cold Temperature, Barometric pressure and attitude, air, water and noise pollution.

UNIT-III

Personal space and Territoriality:

Functions, methods and determinants of personal space. Functions of territoriality.

Crowding: Effects of population density on animals and humans.

UNIT-IV

Work, leisure and recreational Environment. Future environment.

Changing behaviour to save the environment: Environmental Education, Reinforcement techniques, Approaches to specific environmental problems.

**References:-**

Bechtel, R.B. (1997) **Environment and Behaviour: An Introduction.** New Delhi: Sage.

Fisher, J.D., Bell, P.a., Baum, A. (1984) **Environmental Psychology.** London: Holt, Rinehart and Winston.

Soroka, M.P., Bryjak, G.J. (1995) **Social Problems A world at rick.** London: Allyn and Bacon.

Winter, D.D.N., Koger, S.M. (2004) **The Psychology of Environmental Problems.** London: Lawrence Erlbaum Associates.

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**PAPER-V    ii)    COMMUNITY PSYCHOLOGY**

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

Nature and Goals

Community Psychology: Nature, historical background, Goals.

Research Methods in Community Psychology:

Correlational, ethnography and epidemiology.

UNIT-II

Social Indicators:

Population, unemployment, alcoholism and drug –dependence.

Poverty and beggary, Problems of women, adult education.

UNIT-III

Models of Mental Health

Medical, behavioural, humanistic and public health.

Specific Social Issues:

Child maltreatment, teen pregnancy, elderly, homelessness.

UNIT-IV

Community Intervention: Nature and Goals.

Techniques of Community Intervention:

Crisis intervention, consultation, use of non-professional professionals, mental health education.

**References:-**

Duffy, K.G. and Wong, F.Y. (1996) **Community Psychology**. London: Allyn and Bacon.

Korchin, E.J. (1976) **Modern Clinical Psychology: Principles of Intervention in the Clinic and Community**, New York: Basic Books.

Nelson, G. and Prilleltensky, I (2005) **Community Psychology: In pursuit of liberation and well-being (edited)**, New York: Palgrave Macmillan.

Shanmugam, T.E. (1987) **Community Psychology**. Madras: Utsav Shanmugam.



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**PAPER-V    iii)    PSYCHOLOGY OF SELF**

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

The concept of self, its components, Developing self concept, development beyond early childhood, social concept of self knowledge. Development of self esteem.

Knowledge of others and self, Theories of becoming self, moral behaviour sex role socialization.

UNIT-II

Self Perception:

Concept of Self Identity, Thinking about the self, gaining self knowledge, Presentations and maintenance.

Self and Personality

Psychoanalytic view, Neo analytic views, Murray, Cattell and Kelley's view

UNIT-III

Humanistic and Existential Theories

Basic nature of human beings, structure of personality, Development and Application.

Self in Indian Thought:

UNIT-IV

Self Management and Personal Growth.

Social Identity and psychosocial stress, Quality of life and well-being.

Stress in the concept of self, self efficacy and other coping strategies.

**References:-**

- Babad, E.Y., Birnbaum, M. and Benne, K.D. (1983). **The Social Self: Group Influences on Personal Identity.** London: Sage Pub.
- Durkin, K. (1995) **Developmental Social Psychology (From infancy to old age).** Oxford: Blackwell Publishers.
- Even, R.B. (1993) **An Introduction to Theories of Personality.** New Jersey: Lawrence Erlbaum Associates.
- Kuppuswamy, B. (1980) **A Testbook of Child Behavior and Development.** Ghaziabad: Vikas Publishing House.
- Penrod, S. (1986) **Social Psychology.** New York: Prentice Hall.
- Rosenberg, M. and Turner, R.H. (1981) **Social Psychology (Sociological Perspectives) (Ed.)** New York: Basic Books.
- Tripathi, N.K.M. (2006) **Indigenous Psychology The Indian Context.** U.G.C. Publication. ASIHS Programme.

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**PAPER-V    iv)    ORGANIZATIONAL BEHAVIOUR**

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

Organizational Behaviour: Introduction, Managing Self Competency, Communication Competency, Diversity Competency,  
Managing across culture competency, Team competency and learning competencies.

UNIT-II

Motivation in the work setting: Models of Motivation: Content Models and Process Models of Motivation.  
Motivating Performance: Goal setting and Reward systems.  
Motivation & its applications: Management by objectives (MBO), Employee Recognition Programmes,  
Employee Involvement

UNIT-III

Group and Team Behaviour: Types and Developmental stages, Influences on Team effectiveness.  
Conflict and Negotiation: Conflict Management, Negotiation in Conflict Management.

UNIT-IV

Decision making in Organization: Models and Stages of managerial Decision making. Organizational Culture and Organizational Change: Dynamics of Organizational Culture, Challenges and Resistance to change, Ethical Issues in Organizational Change.

**References:-**

- Hellriegel, D. and Slocum, J. (2004). **Organizational Behaviour** (10<sup>th</sup> ed.) Signapore: Thowson Asia Pub.
- Nelson, D.L. and Quich,J.C. (2000). **Organizational Behaviour: Foundations, Realities and Challenges.** U.S.A.: South Western College Pub.
- Pal, K. (2007) **Management Processes & Organizational Behaviour**. New Delhi: I.K. Int. Pub.
- Robbins, S.P. and Sanghi, S. (2006) **Organizational Behaviour** (11<sup>th</sup> ed.) New Delhi: Pearson Education Pub.

M.PHIL (SEMESTER-II) PSYCHOLOGY (2015-16)

**Paper-VI**

**PRACTICAL: THEORETICAL RESEARCH  
(LIBRARY BASED)**

**M.Mark : 100  
Time : 3 hrs.**

Note: Each Student will submit a report based on library review. Evaluation will be on the basis of Report and Viva.

A theoretical review of major conceptual issues, theoretical models and researches spanning a minimum of 10 years would be carried out by the candidate, in a specified area. The review would be based on library search of books and journals available in the Library.

M.PHIL (SEMESTER-III) PSYCHOLOGY (2015-16)

Dissertation

200 Marks

Each student will submit a typed Dissertation on the proposed topic, duly approved by the Departmental M.Phil Committee.

Evaluation would be based on Dissertation and Viva-Voce examination.