

Outlines of syllabi and courses of Reading in subject of Psychology for M. Phil.
Course: Session 1999-2000 and onwards.

- Objectives: a) To strengthen the research foundation of younger psychologists.
b) To provide basic training required for undertaking doctoral work.

Course Structure

FIRST SEMESTER

Course-I: Psychometrics & Research Designs 100 Marks

Course-II: Any one option from the following specialized areas: 100 Marks

- a) Personality: Contemporary Theory and Research.
- b) Stress, anxiety and Health.
- c) Environmental Psychology.
- d) Contemporary Research in Organizational Behaviour.
- e) Cognitive Psychology.

Note: All the options in course-II may not be offered in a given academic year. The options will be offered keeping in view the expertise and facilities available from time to time.

SECOND SEMESTER

Course-III: Dissertation 100 Marks

(Evaluation = 75 Marks)

(Viva-Voce = 25 Marks)

Course-I: Psychometric and Research Designs**100 Marks**

1. Test construction: Item analysis; reliability; validity; norms. Cross-cultural validation of tests.
2. Multivariate Analysis: Multiple analysis of variance (MANOVA) and Multiple regression. Factor analysis : Theory, designs and applications; principal axis method of factoring; rotation and interpretation of factors.
3. Experimental designs : Basic principles : replication, randomization, blocking. Measurement : Nominal, ordinal, interval, ratio. Terminology : factors, levels, variance, main effects, interaction effects. Hypothesis testing. Assumptions of factorial designs. Models: fixed, random. Factorial designs (up to three levels of each factor) : Two factors; Three factors. Analysis of covariance.
4. Incomplete Factorial Designs : Nested (Hierarchical) Designs. Greco-Latin Square Designs. Repeated measures (on last factor) in two and three factor designs. Comparison among treatment means: Newman-Keuls Test; Duncan Multiple Range Test; Scheffé's Method.

Note: Two numericals may be set in the examination from Section 3 and 4.

Readings

Guilford, J. P. (1954). **Psychometric Methods**. Delhi : McGraw Hill.

Nunnally, J. C. (1967). **Psychometric Theory**. Delhi : McGraw Hill.

Fruchter, B. (1967). **An Introduction to Factor analysis**. New Delhi: Affiliated
East-West Press.

Anastasi, A. (1976). **Psychological Testing**. London: Macmillan.

**Factor Analysis : Techniques for Educational and
psychological research.** London: John Wiley.

Kim, Jac-on and Mueller, C. W. (1978). **Factor analysis : Statistical Methods and
Practical Issues.** London : Sage.

Edwards, A. L. (1968). **Experimental Designs in Psychological Research.** New
York : Holt, Rinehart & Winston.

Snedecor, G. W. And Cochran, W. G. (1968). **Statistical Methods.** New Delhi :
Oxford & IBH.

Montaomery, D. C. (1991). **Design and Analysis of Experiments.** New York : John
Wiley.

Broota, K. D. (1989). **Experimental Design in Behavioural Research.** New Delhi :
Wiley.

McGuican, F. J. (1990). **Experimental Psychology.** New Delhi.

Course-II (a): Personality: Contemporary Theory and Research. 100 Marks

1. Extraversion-Introversion: Theoretical background and measurement.
Physiological concomitants of extraversion and neuroticism. Major researches
related to Eysenck's personality theory.
2. Cattell's factor analytic approach, Cattell's personality factors, second order
factors. Cattell and Eysenck compared. Experimental evidence.
3. Narrow and theories of personality: Locus of control and sex-role orientation.
Theoretical background and measurement. Related researches.



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ckground and measurement. Antecedents and
d change. Related research.

Readings

- Morris, J. W. (1979). **Extraversion and introversion**. Hemisphere Publishing Corporation.
- Prentky, R. A. (1979). **The Biological Aspect of Normal Personality**. MTP Press. (relevant chapters).
- Eysenck, H. J. (1970). **Readings in Extraversion-Introversion**. Staples Press.
- Burns, R. R. (1979). **The self-concept: Theory, Development and Behaviour**. Longmans.
- Blass, T. (Ed.) (1977). **Personality variables in Social Behaviour**. Lawrence Erlbaum. (relevant chapters).
- Byrne, D. **An Introduction to personality**. Englewood cliffs.
- Lefcourt, H. M. (1976). **Locus of control: Current Trends in Theory & Research**. Lawrence, Erlbaum.
- Cattell, R. B. (1957). **Personality and Motivation Structure and Measurement**. Yonkers, New World Book Co. (London, Harrap, 1958).
- London, H. & Exner, J. E (1978). **Dimensions of personality**. John wiley.
- Cattell, R. B. **The Scientific Analysis of Personality**. Harmondsworth, Penguin.
- Cattell, R. B. (1973). **Personality and Mood by Questionnaire**. San Francisco Jossey-Bass.
- Cattell, R. B. Eber, HW and Tatuscoka, M. M. (1970). **Handbook for the sixteen personality questionnaire**. Chanpaign, Illinois, Institute for personality and ability Testing.
- Millett, K. (1970). **Sexual politics**. Garden City, N. Y. : Doubleday.

er space: Reflections on Women hood. In R. J. America Boston, 1-26.

Parson, T., and Bales (1955). **Family socialization and interaction Process**. New York, Free Press.

Bem, S. L. (1974). The measurement of Psychological androgyny. **Journal of consulting and clinical Psychology**, 42, 155-162.

Bem, S. L. (1977). On the utility of alternative procedures for assessing psychological androgyny. **Journal of consulting and clinical Psychology**, 45, 196-205.

Pandey, J. Sinha, D. and Bhawuk, D. P. S. (Eds.) (1996). **Asian contributions of cross-cultural Psychology**. New Delhi: Sage.

Course-II (b): Stress, Anxiety and Health

100 Marks

1. Life Stress:

Conceptualization and measurement of stressful life events. Relationship of life stress with health-related and psychiatric symptomatology. Issues in life stress research.

2. Occupational Stress :

Person-environment fit and job stress. Major stresses at work. Personality, behavioural and situational modifiers of work stressors. Burnout and health. Issues in research on occupational stress.

3. Anxiety :

General Anxiety : theoretical models-Spence and Spielberger. Test anxiety: Theoretical models-Sarason and wine. A selective review of research: antecedents, concomitants and consequences.

4. Coping with Stress and Anxiety :

Coping with life and occupational stress. Social support and styles of coping with stress. Coping with General and test/examination anxiety. Behavioural



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systematic desensitization and modelling), cognitive
ling and biofeedback.

Readings

- Cooper, C. L. And Smith, M. J. (1985). **Job Stress and Blue Collar work**. London : John Wiley & Sons.
- Cartwright, S. And Cooper, C. L. (1997). **Managing workplace Stress**. California : Sage.
- Cooper, C. L. & Payne, R. (Eds.) (1980). **Stress and anxiety**. (Volume 1 to 6). Hemisphere corporation (relevant chapters).
- Cooper, C. L. & Payne, R. (Eds.) (1978). **Stress at work**. John Willey.
- Endler, N. S. & Magusson, D. (1976). **Interactional Psychology and Personality**. Hemisphere. (chapter, 1,10,11,23, & 33).
- Gore, S. (1985). Social support and styles of coping with stress. In S. Cohen and S. L. Syme (Eds.). **Social Support and Health**. Florida : academic Press.
- Magnusson, D. & Endler, N. S. (1977). **Personality at Cross-Roads : Current Issues in Interactional Psychology**. Lawrence Erlbaum, (chapters, 1,11,12, & 15).
- Nihjhran, H. K. (1972). **Anxiety in School Children**. Wiley Eastern.
- Pareek, U. (1993). **Making Organizational roles Effective**. New Delhi : Tata McGraw-Hill.
- Pestonjee, D. M. (1991). **Stress and Coping : The Indian Experience**. New Delhi :Sage.
- Spielberger, C. D. & Sarason, I. G. (Eds.) (1980). **Stress and anxiety**. (volumes 1 to 6). Hemisphere corporation (relevant chapters).
- Seyle, H. (1980). **Selye's Guide to Stress Research**. Von Nostrand. (chapters 1,2,3, & 5).

Anxiety and Behaviour. Academic press (chapters

Spielberger, C. D. (Eds.) (1972). **Anxiety.** Current Trends in Theory and Research. Academic press, vol. 1 (chapters 1,7,2) Vol.2 (chapters 8,11,12 & 14).

Spielberger, C. D. & Peter, R. Vagg. (1965). **Test Anxiety** : Theory, Assessment and treatment. Taylor & Francis.

Sarason, I. C. (1980). Test anxiety : Theory, Research & Applications. Lawrence. Erlbaum Associates. Hillsdale, New Jersey.

Course-II (C): Environmental Psychology

100 Marks

1. Paradigms in Environmental Psychology

(a) : Non-Psychological : Ecological Wisdom in traditional societies and religions. Ecosystem approach. Ethological approach. Gaia Hypothesis : the Earth as a living system. Deep Ecology: environmental ethics.

(b): Psychological : Ecological Psychology. Bio-Social Psychology. Person-environment transactions.

2. Society, Culture and Ecology

Ecohistory : Changing man-nature relationships Demography : mortality, fertility and Parental care. Ecology, acculturation and psychological adaptation. Resource Use: Cooperation and conflict, displacement, migration.

3. Concern for Environment

Environment perception. Pro-Environment Behaviour. Environmental Movements: Chipko, Tehri and Narmada. Biodiversity conservation. Alternative technology.

4. Ecology and Mental Health\Well-Being.

Environmental degradation vis-à-vis indicators of distressed human development. Its impact on the structure of community, the functioning of families, and well-being of the Individual.

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Readings

- Riczin, T. (1997). *Fire in the Heart, Fire Wood on the Back*. Silyara : Parvatiya Navjeevan Mandal.
- Jain, U. (1987). *The Psychological Consequences of Crowding*. Sage: New Delhi.
- Sarason, I. G. ,: Sarason, B. R. , Brock, M. & Pierce, G. R. (1996). Social Support : Current status, current issues. In C. D. Spielberger & I. G. Sarason (Eds.), **Stress and Emotion**, Volume 17, Washington : Taylor & Francis.
- Evans, G. W. Palsane, M. N. , Lepore, S. J. & Martin, T. (1989). Residential density and psychological health : The mediating effects of social support. **Journal of Personality and Social Psychology**, 57, 994-999.
- Mishra, R. C. , Sinha, D. and Berry, J. W. (1996). **Ecology, Acculturation and Psychological Adaptation**. New Delhi : Sage Publications.
- Stokols, D. and Altmann, I. (Eds.) (1987). **Handbook of Environmental Psychology**. New York : Wiley. Vol. I ; Vol. II.
- Bonnes, M. and Secchiaroli, G. (1995). **Environmental Psychology : A Psychological introduction** . London : Sage Publications.
- Goldsmith, E. (1991). **The Way** : The Ecological World-view. Boston : Shambahala.
- Bunyard, P. (1996). **Gaia in Action**. Edinburgh ; Floris Books.
- Dreze, J. and San, A. (1997). **Indian Development**. Delhi : Oxford University Press.
- Gadgil, M. and Guha, B. (1995). **Ecology and Equity**. New Delhi : Penquin Books.
- Singh, C. (1998). **Natural Premises**. Delhi : Oxford University Press.

1. Role of Organizational Behaviour : Classical and modern Organizational theories. New challenges of organization. Behaviour in emerging organizations : Cross-cultural perspective And gender issues.
2. Leadership models and effectiveness. Personality and situational Effects on leader behaviour Contemporary issues in leadership.
3. Organization and Human Resources Development (HRD). Emerging HRD And organization development techniques. Assessing, managing and Implementing planned change in organizations .
4. Organizational stress and health well-being ; Methods of intervention. Organizational conflict management. Organizational culture.

Readings

Robbins, S. P. (1998). *Organizational Behaviour : Concept controversies, applications.* Prentice Hall.

French, W. L. And Bell, C. H. (1997). *Organization development.* Prentice Hall.

Hersey, P. And Blanchard, K. H. (1996). *Management of Organizational Behaviour.* Prentice Hall.

Luthans, F. (1996). **Organizational Behaviour.** McGraw Hill.

Harris, O. J. (1976). **Managing People at work : Concepts and cases in Interpersonal Behaviour.** John wiley.

Davis, K. (1996). **Human Relations at work. The Dynamics of organizational Behaviour.** McGraw Hill.

Landy, F. I. & Trumb, D. A. (1980). **Psychology of work Behaviour.** Dorsey Press.

Course-II (e) : Cognitive Psychology

100 Marks

1. The selection and processing of sensory information: selection of signals. Allocation of attention. Arousal and attention. Three components of attention: Visual, auditory and sensory information storage. Attention and sensory information processing.
2. Memory : Models of memory : The Atkinson Shiffrin model and levels of processing approach. Short-term memory size, code, retrieval and forgetting. Long-term memory : Accura Y, retrieval, motivation and forgetting. Semantic memory. Improving memory.
3. Concepts : How concept formation is studied : kinds of concept Formation tasks, measuring concept formation. Factors affecting Concept formation. Testing hypotheses. Natural categories.
4. Problem Solving and Creativity. Understanding the problem-paying Attention and methods of representing the problem. Solving the problem Random and heuristic search strategies. Factors affecting problem solving. Solving ill-defined problems. Creativity : definitions and measurement, Discovering problems and encouraging creativity.

Readings

Reynolds, A.G. & Flag, R.W. (1977). *Cognitive Psychology*. Wintrop Publishers.

Margaret Matlin (1983). *Cognition*. Holt, Finehart and Winston.

Paul. (1986). **Applied Cognitive Psychology : An Information Processing Framework**. Methuen, London.

Gay Claxton (1980). **Cognitive Psychology** : New directions. Routledge &

Coftus, E. L. (1979). **Cognitive Process.**

Prentice Hall, Delhi.

Solso, R.L. (1974). **Theories of Cognitive Psychology : The Loyala Symposium.**

Lawrence Erlbaum, New York.

Maier, N.R.F. (1974). **Problem Solving and Creativity in groups.** Belkmont,
California.

Torrance, E. R. & Raina, M. K. (Ed.) (1980). **Creativity Research: International
Perspective.** NCERT, New Delhi.

Mandler, G. (1982). The integration and elaborating of memory structures. **In
cognitive Research in Psychology.** F. Flix;. J. Hoffmann & E.Vander Meor
(Eds.). North Holland Publishing Co., Amsterdam.

Murdock, R. B. (1972).short-term memory. In Bower (Ed). **Psychology of learning
and Motivation: advances in research & Theory,** Vol.5. Academic Press,
New York.

Das. J.; Kar, B. C; and Parrille, K. K. (1996). **Cognitive planning.** New Delhi, Sage.

Eysenk, M. (1994). **Principles of cognitive Psychology.** Hillsdale: Lawrence Erlbaum
Associates.

Course-III : Dissertation

100 Marks

(Evaluation = 75 Marks)

(Viva-voce = 25 Marks)