

NORTH MAHARASHTRA UNIVERSITY, JALGAON.

M.A. - I Revised Syllabus

(W.e.f.- July, 2002)

Sub: - PSYCHOLOGY

Paper I: Personality

- 1) **An Introduction** : What is personality Psychology. Methods in the study of personality. Issues in personality assessment.
- 2) **The Dispositional Perspective** : Types, Traits and Interactionism: Needs and Motives.
- 3) **The Biological Perspective**: Inheritance, evolution and Personality, Biological processes and Personality.
- 4) **The Psychoanalytic Perspective**: Psycho-analytic structure and process, Anxiety, Defence and Self-protection.
- 5) **The Neo-analytic Perspective** : Ego Psychology, Psychosocial Theories.
- 6) **The Learning Perspective** : Conditioning Theories, Social Cognitive Learning Theories.
- 7) **Dimensions of Personality, Motivation and Emotion** : Old and Contemporary views of Anxiety. Energizing theories of Anxiety, Anxiety and Performance, Izart's concept of anxiety. Social and Applied correlates of Introversion and Extraversion.

Books for Reference

1. Carver, C.S. and Scheier M.F. Perspectives on Personality, 3rd Edition.
2. Buck, R. (1976); Human Motivation and Emotion.
3. Buss, A.H. (1995), Personality (Allyn and Bacon Publication)
4. London, H. And Exner, T.E.(1978) Dimensions of Personality (New York Wiley)
- 5) Allen, B.P. (1997), Personality Theories (Allyn and Bacon Pub.)

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M.A. Part - I PSYCHOLOGY

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Paper II : Cognitive Processes, Emotion and Motivation

Objectives : To acquaint the Students with :

- i) The Processes involved in cognition, Learning and memory.
- ii) The major theories of learning.

Contents :

1.0 Cognitive Psychology : Definitions, topics and contemporary Cognitive Psychology.

- 1.1 Definitions and Introduction to Cognitive Psychology.
- 1.2 Topics in Cognitive Psychology/Basic concept of Cognitive Psychology.
- 1.3 Approaches to Cognition.
- 1.4 Contemporary Cognitive Psychology.
- 1.5 Methods of Cognitive Psychology.

2.0 Cognitive Phenomena :

2.1 Memory Traces and Memory Schemata.

- Schema theories of memory.
- Research based on Schema theory.
- Evaluation of Schema theory.
- Ecological approaches to memory.

2.2 Memory System.

- Tulving and Memory Systems.
- Semantic Memory.
- Connection 1st Model of Memory.
- Autobiographical Memory.

2.3 Imagery and Cognitive Maps :

- Imagery and Memory.
- Mental rotation.
- Mental Images and real pictures.
- Criticisms of Mental imagery research.
- Cognitive maps and mental nodes.

2.4 Concepts :

- The Classical Approach.
- Learning exemplar rules.
- Rosch and prototypically.
- Hintzman's memory trace model.
- Bassalov and adhoc categories.
- Lakoff and Idealized cognitive models.

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- 3.0 Theories of learning :**
- 3.1 Pavlovian classical conditioning.
 - 3.2 Thorndike Instrumental conditioning and law of effect.
 - 3.3 Tolman's Purposive Behaviourism.
 - 3.4 Hull's Logical Behaviourism.
 - 3.5 Skinner's Radical Behaviourism.
- 4.0 Human Memory and Artificial Intelligence :**
- 4.1 Structural accounts of memory : Information Processing.
 - 4.2 Processing view of memory : Encoding, Storage and Retrieval.
 - 4.3 Artificial Intelligence.
- 5.0 Perception :**
- 5.1 Attention.
 - 5.2 Pattern Recognition.
 - 5.3 Visual and Auditory Perception and Language.
- 6.0 Emotion : Definition and Development :**
- 6.1 What is Emotion.
 - 6.2 Brain Mechanisms and Emotion.
 - 6.3 Development of emotions.
 - 6.4 Individual differences in the development of emotionality.
- 7.0 Nature of Motivation and Model of Motivation.**
- 7.1 Rationale for Motivational systems theory.
 - 7.2 Theoretical foundation: The living systems framework.
 - 7.3 Defining Motivation and its role in effective functioning.

Books for Reference

1. Best, J.B.(1995) : Cognitive Psychology - West Publishing Co.
2. Glass, A.L.and Holyoak K.J.Cognition (2nd edition)
McGraw Hill International Edition.
3. Beck. R.C. (1983) : Motivation : Theories and Principles.
Prentice Hall, Inc. Englewood Cliffs, New Jersey.
4. Benjafield, J.B. (1997) Cognition Psychology,
West Publishing Co.
5. Hampson, P.J. and Morris, P.E. (1996) : Understanding cognition,
Blackwell Publishers Ltd.
6. Leahey, T.H. and Harris, R.J. (1997) Learning and cognition,
Prentice Hall. Upper Saddle River, New Jersey.
7. Oatley, K and Jenkins, J.M. (1992) Understanding Emotions.
Blackwell Publishers, Cambridge M.A.
8. Petri, H.L. (1991) , Motivation : Theory, Research and
Applications, Belmont, C.A. : Wordsworth.
9. Lewis M and Havland, J.M. (Eds.) (1993) Handbook of Emotions,
New York : Gaiford.

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M.A. Part - I PSYCHOLOGY

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Paper III : Research Methods and Statistics

Objectives:

To acquaint the students with -

1. Nature of psychological research.
2. Steps in psychological research.
3. Basics of various research techniques used in psychological research.

Contents :

1) The Research Process

- 1.1 Scientific Research
- 1.2 Characteristics of a good Problem
- 1.3 Hypotheses
- 1.4 Types of Variable

2) Types of Investigation

- 2.1 Controlled Laboratory Experiments
- 2.2 Field Experiments
- 2.3 Ex-post facto field studies
- 2.4 Ex-post facto Laboratory

3) Sampling

- 3.1 Simple random sampling
- 3.2 Systematic sampling
- 3.3 Random sampling
- 3.4 Stratified sampling
- 3.5 Other Sampling Procedure

4) Data Collection Procedures

- 4.1 Observation
- 4.2 Questionnaire
- 4.3 Interview
- 4.4 Objective tests and Scales
- 4.5 Case Study

5) Experimental Design

- 5.1 Quasi Experimental Designs.
- 5.2 Single Group Design
- 5.3 Two Group Design
- 5.4 Factorial Design

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Statistics

Objectives :-

1. To introduce different statistical techniques to the Students.
2. To develop computational skills in students and enable them to analyse the data.

6) Elementary Statistics and Probability

- 6.1 Frequency distribution, measures of central tendency.
- 6.2 Percentile Rank, Standard Scores.
- 6.3 Elementary Principles of Probability.
- 6.4 Areas under normal Probability curve and applications of normal distribution.

7) Correlation

- 7.1 Meaning and types of correlation.
- 7.2 Product-Moment correlation.
- 7.3 Rank Difference Correlation.
- 7.4 Other types of correlation.
- 7.5 Simple linear regression and Multiple regression.

8) Inferential Statistical Tests

- 8.1 't' test independent and correlated.
- 8.2 One way Analysis of Variance.
- 8.3 Two way Analysis of Variance.

9) Non parametric or distribution free statistics

- 9.1 Chi-Square Test- Simple, 2x2 and $n \times n$
- 9.2 Other techniques of non parametric statistics.

10) Research proposal

- 10.1 Selecting Problem, Objectives, Hypothesis.
- 10.2 Sample selection, Tools to be used, Procedure of data collection.
- 10.3 Statistical treatment of Data.
- 10.4 Interpretation.

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Books for Reference

- 1) Kerlinger, F.N. (1990) Foundation of Behavioural Research, Holl, Rinehart - & Winston.
- 2) Nunnally, J.C. (1981) Psychometric Theory. Tata McGraw hill.
- 3) Scott, W.A. and Wertheimer, M. (1962) Introduction to Psychological Research, Wiley.
- 4) Edwards, A.L. (1985) Experimental Design in Psychological Research. Harper & Row.
- 5) Fergusson, G.A. (1976) Statistical Analysis in Psychology and Education, McGraw Hill.
- 6) Glass, G.V. & Stanley, J.C.(1970) Statistical Methods in Education and Psychology. Prentice Hall
- 7) Guilford, J.P. (1954) Psychometric Methods McGraw Hill.
- 8) Kurtz, A.K. and Mayo, S.T.(1979) Statistical Methods in Education and Psychology. Narosa (Springer)

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M.A. Part - I PSYCHOLOGY

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Paper IV : Psychological Testing and Application

Total Marks 50 : Duration 2 Hrs.

Objectives :

- 1) To introduce various psychological tests to the students.
- 2) To acquaint the students with construction and development of psychological tests.
- 3) To impart training in administration, scoring and interpretation of psychological tests.

1. Nature of Psychological tests.

- 1.1 Principle Characteristics of Psychological tests.
- 1.2 Uses and types of psychological test.
- 1.3 Test construction.
- 1.4 Norms and types of norms.
- 1.5 Item Analysis.

2. Reliability and Validity.

- 2.1 Types of Reliability.
- 2.2 Types of Validity.

3. Measurement of Intelligence.

- 3.1 Binet's Contribution.
- 3.2 Individual tests and group tests.
- 3.3 Performance tests and non language tests.

4. Personality Tests.

- 4.1 Projective Techniques.
- 4.2 Self Report Inventories.
- 4.3 Situational Tests.
- 4.4 Interest and Attitude Measurement.

5. Ability Tests.

- 5.1 Multiple aptitude tests.
- 5.2 Special aptitude tests.
- 5.3 Educational and Occupation Test.

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Paper IV Practicals

Psychological Testing

Students have to administer any 10 tests during the year.

- i) Personality Test.
- ii) Aptitude Test.
- iii) Intelligence Test.
- iv) Attitude Scale.
- v) Interest Scale.
- vi) Adjustment Inventory.
- vii) Projective Technique.
- viii) Value Scale.
- ix) Self Concept.
- x) Rotter's Locus of Control.
- xi) Stress Test.
- xii) Job Satisfaction.
- xiii) Mental Health Test.
- xiv) Anxiety Scale.
- xv) Youth Culture or Generation conflict.

<u>Total Marks</u>	<u>50</u>
Journal	10
Administration of Test	10
Report of Test Result	10
Viva - voce	20

Total	50

Books for Reference

- 1) Anastasi, A. (1990) Psychological Testing. McMillan.
- 2) Chronbach, L.J.(1984) Essentials of Psychological Testing. McMillan
- 3) Thorton, G.C.and Oeting, E.R.(1982) Exercises to Psychological Testing. Harper & Row.
- 4) Anderson, J.& Durston, B (1970), Thesis and Assignment Writing, Bombay. Wiley Eastern Ltd.
- 5) Rammers, H. & Gage, N.(1967) A practical Introduction to Measurement and Evaluation. N. Y. Harper and Row.