M.Sc. Degree Course in
PSYCHOLOGY

Syllabus for Core Subjects

Non-Semester
(Effective from the Academic Year 2005 - 2006)

UNIVERSITY OF MADRAS
INSTITUTE OF DISTANCE EDUCATION
CHENNAI - 600 005
# M.Sc. PSYCHOLOGY

## SCHEME OF EXAMINATION

### FIRST YEAR

<table>
<thead>
<tr>
<th>Paper</th>
<th>Paper Title</th>
<th>Hours</th>
<th>Marks</th>
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<tbody>
<tr>
<td>1.</td>
<td>Advanced General Psychology</td>
<td>3</td>
<td>100</td>
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<td>2.</td>
<td>Developmental Psychology</td>
<td>3</td>
<td>100</td>
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<td>3.</td>
<td>Quantitative Techniques for Psychology</td>
<td>3</td>
<td>100</td>
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<td>4.</td>
<td>Advanced Social Psychology</td>
<td>3</td>
<td>100</td>
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<td>5.</td>
<td>Motivation and Personality</td>
<td>3</td>
<td>100</td>
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### SECOND YEAR

<table>
<thead>
<tr>
<th>Paper</th>
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<tbody>
<tr>
<td>6.</td>
<td>Organisational Psychology and Consumer Behaviour</td>
<td>3</td>
<td>100</td>
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<td>7.</td>
<td>Psychopathology and Crime and Delinquency</td>
<td>3</td>
<td>100</td>
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<td>8.</td>
<td>Guidance, Counselling and Psychology of interpersonal Relationship</td>
<td>3</td>
<td>100</td>
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<td>9.</td>
<td>Psychology Practicals</td>
<td>3</td>
<td>100</td>
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<td>10.</td>
<td>Class Room Psychology</td>
<td>3</td>
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## PSYCHOLOGY PRACTICALS

The marks for the Psychology Practical Examination shall be distributed as follows:

1. Plan and Procedure - 25 marks
2. Conducting the Experiment - 25 marks
3. Discussion and Interpretation - 25 marks
4. Record - 25 marks

Two external examiners will evaluate this.
UNIT - 1 : THE WORLD OF PSYCHOLOGY

Definition of Psychology: Sub-fields of Psychology - Experimental, Biological, Personality, Social, Clinical and Counselling, Development and Quantitative Psychology.

Methods in Psychology: Survey, Case Study, Naturalistic, Observation, Experiment.

UNIT - 2 : BIOLOGY OF BEHAVIOUR

The Nervous system: Communication in the Nervous system and interaction between neuron.

Neurotransmitters and its functions.
The Spinal cord and its functions.
The Brain and its functions.
The Endocrine systems and its functions.
UNIT-3: SENSORY PROCESS, PERCEPTION AND ATTENTION

The Five senses - its characteristics.
Definition of perception.
Features of perception.
Approaches to perception.
Constructional view of perception.
Ecological view of perception.
Psychophysics.
Attention - Determinants of attention
Selective, focused and divided attention.

UNIT - 4 : LEARNING

Definition of Learning.
Classical Learning.
Instrumental and Operant conditioning Learning.
Observational Learning.
Cognitive Process in Learning.

UNIT - 5 : MEMORY AND FORGETTING

Types of Memory.
Stages of Memory.
Sensory Memory.
Short-term Memory and Long-term Memory.
Causes of forgetting.
Constructing Memory.
Improving Memory.
UNIT - 6 : EMOTIONS

Emotions and the ANS.
Theories of Emotions.
Expression of Emotions.
Stress and coping styles.
Physical, Physiological
Psycho-social basis of stress.

UNIT - 7 : TESTING AND MENTAL ABILITIES

Principles of Psychological Testing and its types.
Intelligence Tests - Definition of Intelligence.
Theories of Intelligence.
Creativity - Characteristics of Creative Person.

UNIT - 8 : THOUGHT AND LANGUAGE

Thinking process - concepts, problem solving, decision making.

Language - Elements of Language, Understanding sentences and conversation stages of language development.

Acquiring of Language.
REFERENCES

PAPER II - DEVELOPMENTAL PSYCHOLOGY

UNIT-1 : THEORIES AND METHODS IN DEVELOPMENTAL STUDIES

Introduction to development psychology and its research methodologies Theories of human development.

UNIT- 2 : FOUNDATIONS OF DEVELOPMENT

Hereditary influences on development; influences on prenatal development.

Birth and prenatal environment.

Physical and motor development.

Significance of development.
UNIT - 3 : EARLY COGNITIVE FOUNDATIONS

Theories of cognitive development

Sensation, Perception and learning methods of studying infant perception

Visual perception, spatial and depth perception, auditory perception; Intersensory perception.

Environmental influence.

Language acquisition

Emotional development - etiology theories.

UNIT - 4 : SELF AND OTHERS

Emotional Development

Understanding others' emotions and beliefs

Sex differences

Identity preference, prejudice and social stereotypes

Self-concept and self-esteem.

UNIT - 5 : SOCIAL DEVELOPMENT

The development of pro-social behaviour and factors that influence it

The development of moral reasoning

Kohlberg’s stages of moral development

The moral/conventional distinction.
UNIT- 6 : DEVELOPMENT FROM CONCEPTION TO SENESCEENCE

Conception, pre-natal, post-natal, infancy, childhood, puberty and adolescence, adulthood and old age.

UNIT - 7:

Future perspectives in developmental Psychology.

REFERENCE

Life-span Development by John W. Santrock. 6th Ed.

PAPER III - QUANTITATIVE TECHNIQUES FOR PSYCHOLOGY

Unit - 1

Introduction to Quantitative Method

Object of Measurement in Psychology

Tests as a tool measurement

Measurement in Psychology

Concept of objectivity

Types of tests.

UNIT - 2 : TEST CONSTRUCTION

Topic Selection and Item Selection

Types of questionnaire

Types of responses
Likert’s Attitude scale construction

Item Analysis

Item total correlation

UNIT - 3 : TEST STANDARDIZATION

Inter rater reliability

Concept of reliability

Methods of Established reliability

Concept of validity

Type of validity

UNIT - 4 : RESEARCH DESIGNS

Informal research designs

Pretest - Post-test Design Before and after with control, after control designs.

Experimental and Formal Research Designs

Randomized Group Design

Randomized Block Design

Latin Square Design

2*2 Factorial Design

UNIT - 5 : DATA PROCESSING AND DATA ANALYSIS

Introduction to Statistics

Definition and Scope of Statistics
Classification of Data
Tabulation of Data
Frequency Distribution

UNIT - 6 : DESCRIPTIVE STATISTICS
Diagrammatic & Graphic Representation of the Data
Measures of Central Tendency
Measures of variability
Correlation Techniques
Association of Attributes

UNIT - 7 : INFERENTIAL STATISTICS
Normal distribution
Concept of Statistical Inference
Probability Theory
Logic of hypothesis testing
Procedures adopted in hypothesis testing
Type 1 and Type 2 errors.

UNIT- 8 : TEST OF SIGNIFICANCE - COMPUTATION AND INTERPRETATION
Large Sample Tests
Small Sample Tests
F Test, Analysis of Variance - One way, Two way
REFERENCES:

5. Theory and Practice of Experimental Psychology by Freeman
6. Experimental Psychology by Edwards
7. Statistics Methods by Gupta
8. Research Methodology by Kothari

PAPER IV - ADVANCED SOCIAL PSYCHOLOGY

UNIT - 1 : INTRODUCTION

The objectives and methods of social psychology
Levels of social behaviour
Scope of social psychology in modern life.
UNIT- 2 : SOCIAL MOTIVES, ATTITUDES AND LEARNING IN SOCIAL CONTEXTS

Social motives and behaviour
The nature and measurement of attitude
Reinforcement and learning
Social learning through imitation
Attitude change

UNIT - 3 : COGNITIVE DISSONANCE AND PERSONALITY AS SOCIAL PHENOMENA

Festinger’s cognitive dissonance theory
Physiological changes due to cognitive dissonance
Theories of consonance and balance (Heider’s, Newcomb’s)

UNIT - 4 : ANTISOCIAL AND PRO-SOCIAL BEHAVIOUR

Aggression and management
Altruism and helping behaviour

UNIT - 5 : GROUP PROCESSES

Group formation and maintenance
Types of group
Group task performance, problem solving
Cooperation and competition - communication - empathy
- Psycholinguistics
UNIT - 6 : SOCIAL INFLUENCE

Social facilitation

Social Status

Social roles

Social conformity

Interpersonal attraction

UNIT - 7 : LEADERSHIP

Definition and categories of leadership

Functions of leaders, types of leaders, personal characteristics of leaders.

UNIT - 8

Application of Social Psychology in the Educational, Clinical and Military settings

REFERENCES

1. MC David and Harari (1976) Social Psychology
PAPER V - MOTIVATION AN PERSONALITY

UNIT -1 : INTRODUCTION

Basic Concepts of motivation (Instinct), (drive, need, value, motive goal)

UNIT - 2 : THEORIES OF MOTIVATION

Definitions of Personality - Functions of personality theories (Subjective judgemental criteria, Logical-epistemic criteria, empirical criteria) - Native theories of Personality.

UNIT - 3 : PSYCHOLOGICAL ASPECTS OF MOTIVATION AND PERSONALITY

Roles of the Central Nervous System and the Autonomic Nervous System in the regulation of motivation and formation of personality.

UNIT-4: THEORIES OF MOTIVATION AND PERSONALITY


UNIT - 5

Morgan’s Central Motive State, Atkinson’s & McClelland’s Theories of Need for Achievement.

Humanistic Theories of Carl Rogers & A Maslow

Factor Analytic theories - Eysenck’s type theory & Cattell’s Trait theory.
UNIT - 6

Narrow Based Theories of Personality - Rotter’s I-E Locus of control theory, Witkin’s field dependence and independence theory Zukerman’s sensation seeking theory.

UNIT - 7

Assessment of Motivation

Psychological measures

UNIT - 8

Personality

Projective and other paper-pencil measures.

REFERENCES


SECOND YEAR

PAPER VI - ORGANISATIONAL PSYCHOLOGY AND CONSUMER BEHAVIOUR

UNIT- 1 : INTRODUCTION TO ORGANISATIONAL PSYCHOLOGY

An Overview - managing people at work

Organizational behaviour
UNIT - 2 : INDIVIDUAL PROCESS
Foundations of Individual Behaviour
Abilities and Aptitude
Perception and Motivations
Personality and Performance
Managing Stress.

UNIT-3: INTERPERSONAL PROCESSES, GROUP DYNAMICS, COMMUNICATION
Leadership and Decision Making
Human relations in Organisation
Team building development

UNIT - 4 : ORGANIZATIONAL PROCESSES
Organizational Design and Structure
Culture and Change Management

UNIT - 5 : INTRODUCTION TO CONSUMER BEHAVIOUR
The Study of Consumer Behaviour
Ethics in Marketing
Consumer Research Process
Market Segmentation.

UNIT - 6 : CONSUMER AS AN INDIVIDUAL
Consumer Needs and Motivation
Personality and Consumer Behaviour
Consumer Perception
Learning and Consumer involvement
UNIT-7: CONSUMERS IN THEIR SOCIAL AND CULTURAL SETTINGS

Family - Functions of the family
Family Decision Making
Social Class - Measurement of Social Class
Life Style Profiles of Social Classes
Group Dynamics and Consumer Reference Groups
Cultural Influences - Sub Culture - Cross cultural consumer behaviour.

UNIT-8: THE CONSUMER’S DECISION MAKING PROCESS

Models of Consumer Decision Making
Communication and Persuasion
Opinion Leadership Professes

REFERENCES


6. Consumer Behaviour by Leon, G. Leslie Lazer Kamel

7. Understanding the Consumer A Psychological Approach by David A. Statt.


**PAPER VII - PSYCHOPATHOLOGY AND CRIME AND DELIQUENCY**

**UNIT - 1**

Signs and symptoms of mental illness - History taking and Mental Status Examination.

**UNIT - 2**

Psychological models of Psychodynamic, Behavioural and Existential

**UNIT - 3**

Anxiety disorders - Panic disorder and Agoraphobia - Specific Phobias - Social Phobia - Obsessive Compulsive Disorder - Generalizad Anxiety Disorder - Post Traumatic Stress Disorder.
UNIT - 4
Somatoform disorders - Dissociative disorders.

UNIT - 5
Mood disorder - Dysthymia - Schizophrenia,
Personality disorders.

UNIT - 6
Childhood disorders - learning disorders - pervasive developmental disorders - Hyper kinetic disorders - conduct disorders - Emotion disorders - Mixed disorders of conduct and emotions - old age disorders.

UNIT- 7 : INTRODUCTION TO PSYCHOLOGY OF CRIME AND DELINQUENCY
Definition of crime and delinquency
Psychology applied to crime and delinquency
Relationship between criminology and psychology of crimes as a deviant behaviour
Concept of abnormality, types of abnormalities - Psychoses, Neuroses, Mental Retardation, anti-social Behaviour.
Mental illness and Crime
UNIT - 8 : FACTORS CONTRIBUTING TO CRIME

Biological factors - Genetic factors

Psychological factors - learning, motivational, cognitive and emotional factors, personality factors.

Environmental factors - Psychological Repercussions of broken home, poverty, unemployment and under employment, drug addiction, influence of peer group and adult criminals on youth, mass media and their influences.

REFERENCES


PAPER VIII - GUIDANCE, COUNSELLING AND PSYCHOLOGY OF INTERPERSONAL RELATIONSHIP

UNIT-1 : COUNSELLING - NATURE, PROCESS AND SKILLS INVOLVED

Approaches to counselling; group counselling characteristics of counsellor Ethical principels in counselling.

Unit - 2

Educational guidance - study skills training, programmed learning, preparing and appearing for examinations.

Unit - 3

Vocational guidance - choosing a vocation, Aptitude and Interests

The role of psychological tests in guidance and counselling.

UNIT - 4

Application of counselling - counselling adolescents regarding sexuality and substance abuse, family counselling.
UNIT - 5

The Nature of Interpersonal Communication and Behaviour

Identity and Communication Behaviour

Assessment of Interpersonal Communication Style and Behaviour

Emotion and Interpersonal Behaviours and Communications

UNIT - 6

Perception and Interpersonal Expectations

The Assessment and Development of Listening and Feedback Behaviour

UNIT - 7

Effective and Non-effective interactions in Everyday Situations

Nonverbal Communication and Interactions

Relationship Development and Termination.

UNIT - 8

Maintaining Interpersonal Realotionships

Managing Conflict in Interpersonal Realotionships
REFERENCES


PAPER IX - PSYCHOLOGY PRACTICALS

OBJECTIVES

To Orient the subject to simple tests assessments, relevant to their theoretical papers. To enable them to understand the principles of test administration, and its interpretation.

All practical sessions must see that the subjects take the test themselves and administer it on others. Participation in class activity is must.
INTERNAL ASSESSMENT INVOLVES

Attendance, Record Work for Practical Writing, Conducting and Interpreting Results.

TESTS TO BE COVERED

1. State and Trait Anxiety Scale by - Spielberger, D.
2. State and Trait Anger Expression Inventory (STAXI) by - Spielberger, D.
3. 16 PF by Cattell
4. Myer-Briggs Type Indicator
5. Work Motivation - by Agarwal
6. Personal Effectiveness Scale
7. Leadership Style Inventory
8. Quality of Work Life Inventory
9. Self Concept by Mohsin
10. Global Adjustment Scale
11. Emotional Intelligence by Danial Goleman
12. Thurstone Interest Schedule
13. Study Skill Inventory
14. Assertiveness Scale
15. Communication Skills
UNIT-1: CLASS ROOM BEHAVIOUR IN SCHOOL SETTING

- Social interaction between teacher and child
- Influence of peer group
- Conformity and non-conformity in schools

UNIT - 2 : NATURE OF COMMUNICATION

- Interaction analysis is communication
- Social learning and role models
- Friendship patterns in the classroom and sociometry scale.

UNIT - 3 : CLASS CONTROL AND MANAGEMENT

- Defining Problem Behaviour
- Behaviour Modification techniques in classroom.
- Merits and drawbacks of behaviour modification techniques

UNIT - 4 : GROUP BEHAVIOUR PROBLEMS

- School refusal problems
- Use of punishment and reinforcement for class room management

UNIT- 5: EDUCATIONAL GUIDANCE AND COUNSELLING

- Counselling in school - The problem of confidentiality - The importance of sympathy - The Counselling process - Categorizing the child’s problem - The role of the counsellor - Problems facing the counsellor.
UNIT - 6

Vocational Guidance - Developmental Stages in Career Choice - The role of Counsellor in Vocational guidance.

Sex Education for moral development and appropriate social behaviour

Role of teacher as an applied psychologist

UNIT - 7 : SKILL DEVELOPMENT

Study skills development
Oral presentation skills
Written communication skills

UNIT - 8

Assertiveness skill development
Goal setting skills
Positive thinking skills
Techniques of creative thinking.

REFERENCES

2. Think like a Winner by Walter Doyle Staples. UBPSD, New Delhi 1996.