



BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI - 620 023

Institute for Entrepreneurship and Career Development
Tiruchirappalli - 620023

DIPLOMA IN MONTESSORI EDUCATION

PAPER I (Theory) – Educational Philosophy of Maria Montessori

Unit I – Life and Contributions of Maria Montessori

Early Life - Education - Beginning of the Montessori's Movement (in the World) -
Montessori books - Involvement of World Leaders – Hitler, Mussoline

Unit II – Montessori Education in India

Montessori's arrival in India - Kalakshetra's Contribution - The first 1939 Course at Adayar
- Political leaders and their support to Montessori movement -Beginning the Indian Wing of
Association Montessori International in Chennai - Schools that practice the method far &
wide in India (Past & Present)

Unit III – Philosophy and Principles of Maria Montessori

Philosophy - Specialized Training of the Teacher - A Specially Prepared Environment
complete with Montessori apparatus - Multi age grouping of Children - Principles – Respect
for the child -The Absorbent mind - Sensitive period 2 ½ to 6 years - The Prepared
environment- Auto Education (Self education)

Unit IV – Montessori Methods and Techniques

Child Centred approaches: Hands on training, Discovery, Independence, Imagination.

Unit V – Role of Teachers in Montessori Education

Children's House - Age to enter a Montessori Environment - Child in the Montessori
Environment- Presentation or Demonstration - Discipline - Play time - Leading to good
citizenship

Reference Books:

"**Maria Montessori: Her Life and Work**", Author: E. M. Standing, Year of Publishing: 1957

"**Montessori Comes to America: The Leadership of Maria Montessori and Nancy McCormick
Rambusch**", Author: Phyllis Povell, 2009

"**Maria Montessori: A Biography**", Author: Rita Kramer, 1976

"**Montessori: The Science Behind the Genius**", Author: Angeline Stoll Lillard, 2005

"**The Montessori Controversy**", Author: John Chattin-McNichols, 2005

PAPER II (Theory) - Introduction to Child Psychology

UNIT I - Introduction to Child Psychology:

Psychology – Meaning – Definition – Child Psychology – Principles of Child Psychology – Scope of Child Psychology in Montessori Education – Implications of Child Psychology – Child Psychology Vs Montessori Education

UNIT II - Psychology & Children Pre natal Life:

Period of Development stage 1,2,3- Emotions of Children – Love, Happiness Fear, Physical & Motor Development, Formative Years, Influence of Home, Family & Society

UNIT III - Learning Environment of Children:

Learning – Meaning & Definition – **Environment of Children – Children Actions: Repetition, Limitation & Habits Parrotage, Children with Special Needs:** Sense impaired – Tactile, Auditory, Visual, Olfactory & Gustatory Intelligence

UNIT IV - Motivation and Intelligence:

Meaning and Definition of Motivation – Types: Extrinsic & Intrinsic Motivation – Rewards & Punishments in Montessori Education – Maslow's self-actualisation theory

Intelligence: Meaning & Definition – Mental Age – Chronological Age – Intelligence Quotient – Theories of Intelligence: Two factor theory, multiple Intelligence theory.

UNIT – V - Health & Nutrition of Children

Health: Meaning – Hygiene (Definition) Cleanliness: Physical Cleanliness, Toilet Training, Hand Wash, Bathing

Immunization Schedule – Basic of First aid Measures – Diet & Deficiency & Diseases

Reference Books:

"**Child Psychology and Development For Dummies**", Author: Laura L. Smith, Charles H. Elliott, 2011,

"**The Prenatal Prescription**", Author: Peter Nathanielsz, 2010

"**The Third Teacher: 79 Ways You Can Use Design to Transform Teaching & Learning**", Authors: OWP/P Architects, VS Furniture, Bruce Mau Design,,: 2010

"**Drive: The Surprising Truth About What Motivates Us**", Author: Daniel H. Pink,,:2009.

"**Childhood Nutrition**", Author: Ronald Ross Watson, 2004

Paper III (Theory) : Pedagogy for Montessori Education

1. Unit-I: Introduction to Montessori Methods

House of Children, Secrets of Childhood, Principles of Self-Education- Life Activity Method: Practical life activities – Child's Interaction with environment and Real life

2. Unit-II: Learning Activities in Montessori Education

Methods of Montessori Education- Motor education- Muscular education- Experience of practical life- Writing and Reading- Presentation of activities in house of children- types of presentations-Individual presentation, Group presentation, Collective presentation-types of activities-Individual activity, Group activity and Collective activities- Things to remember when presenting the Montessori activities- Five groups in the Practical Life Exercises- Preliminary Exercises, Care of the Person, Care of the Environment, Grace and Courtesy and Control of Movement-The differences between Montessori Method and other methods of preschool education.

3. Unit-III: Learning and Montessori theory of learning

Concept of Learning-nature of learning-theories of learning-Trial and error - Montessori's Theory of Learning-factors affecting learning- Promote five Motor skills, Concentration of mind and Independent nature (transferring, sorting, Personal hygiene, grooming, Dusting and sweeping).

4. Unit-IV: Language , Mathematics and Cultural Learning

Learning to Recognize; Learning the sound variation and writing; Grammar and etymology; Group work and hand on work; learn to count the numbers; Decimal System and geometry. Individualized and abstract work.- Activity Method, Cultural and Mental Activity Method (Learning), Geographical, artistic, Musical Learning enhance cultural activities

5. Unit-V: Approaches for learning in Montessori classroom

Sensory Skill Approach, Experience- Vocabulary cum Storytelling – Reading Approach, Performance of Real nature and action before artificial one; Grasping ability; Pleasurable Reading; Narrative Interaction-Sensorial Experience Approach: Memorization and recognition of objects; Manipulation of letters and constructing words; Recognize and matching the Words – Secret Words and Action Words.

Reference Books:

- "**Montessori: A Modern Approach**" by Paula Polk Lillard, 1972, United States
"**Montessori Today: A Comprehensive Approach to Education from Birth to Adulthood**" by Paula Polk Lillard, 1996, Place of Publishing: United States
"**Montessori from the Start: The Child at Home, from Birth to Age Three**" by Paula Polk Lillard and Lynn Lillard Jessen. 2003, United States
"**The Absorbent Mind**" by Maria Montessori.: 1949. United States
"**The Secret of Childhood**" by Maria Montessori. 1936., United States

PAPER IV (Practical 1): Montessori Practical Language Curriculum and Mathematics

Unit 1: Introduction to Language & Phonics and Reading

Overview of Language Development in Children Montessori Language Materials: Sandpaper Letters, Movable Alphabet Phonemic Awareness Activities Introduction to Letter Sounds (Phonemes) Building Vocabulary Through Group Activities

Further Exploration of Phonemes and Graphemes Word Building and Spelling Exercises Phonetic Reading: Three-Letter Words Introduction to Sight Words Reading Comprehension Activities, Reading Aloud and Storytelling

Unit 2: Vocabulary and Language Expansion and Grammar and Sentence Structure

Expanding Vocabulary Through Montessori Materials Word Study and Morphology Introduction to Noun, Verb, Adjective, and Pronoun Sentence Formation: Subject-Verb-Object Creative Writing: Descriptive Sentences

Introduction to Montessori Grammar Symbols Parts of Speech: Noun, Verb, Adjective, Adverb, Building Complex Sentences, Punctuation and Capitalization, Sentence Analysis Exercises, Writing Simple, Paragraphs

Unit 3: Creative Writing and Literature

Creative Writing Activities: Poetry, Short Stories, Essays, Introduction to Literature: Classic Children's , Stories, Literary Analysis: Characters, Plot, Setting, Book Reports and Literary Projects. Presentation Skills: Sharing Written Work. Encouraging a Love for Reading.

Unit 4: Introduction to Montessori Math Materials and Numeracy and Counting

Overview of Montessori Math Materials, The Number Rods and Counting Activities, Introduction to the Golden Beads and Place Value, Introduction to the Sandpaper Numbers and Writing Numerals, Practical Demonstrations and Hands-on Practice. Counting and Number Recognition Activities, Introduction to the Spindle Boxes, Using Bead Stair and Number Cards for Numeracy, Subitizing Activities and Dot Games, Assessment and Progress Monitoring

Unit 5: Place Value and Decimal System and Operations and Problem Solving

Introduction to the Golden Beads for Place Value, Addition and Subtraction with Golden Beads, Introduction to the Stamp Game for Exchange, Introduction to the Dot Game for Multiplication, Individual and Group Math Exploration. Addition and Subtraction with Stamp Game, Multiplication and Division with the Bead Board. Problem Solving with Story Cards and Word Problems, Exploring Fractions with Fraction Insets (if applicable), Practical Applications and Group Problem Solving.

PAPER V (Practical 2) : Montessori approach to teaching Sensorial and Practical Life

Unit 1: Introduction to Montessori Sensorial Materials,:

Sensory Discrimination and Grading

Overview of Montessori Sensorial Materials, The Pink Tower and Broad Stair, Introduction to the Red Rods and Cylinder Blocks, Sensorial Extensions and Matching Activities, Practical Demonstrations and Hands-on Practice. Discrimination of Size and Length with Pink Tower, Discrimination of Width and Height with Broad Stair, Discrimination of Length and Diameter with Cylinder Blocks, Introduction to Color Tablets and Grading, Assessment and Progress Monitoring,

Unit 2: Sensory Exploration and Exploration of Differences: Sensorial Extensions and Integration

Tactile Exploration with Touch Tablets, Auditory Discrimination with Sound Boxes, Olfactory and Gustatory Experiences, Taste Tests and Scent Exploration, Individual and Group Sensorial Explorations. Geometric Solids and Tactile Exploration, Exploration of Temperature and Weight, Sound Discrimination and Musical Activities, Visual Discrimination with Color Tablets, Sensory Integration into Language and Math Activities.

Unit 3: Sensorial Integration and Observation

Integration of Sensorial Experiences into Daily Routines, Observation and Assessment of Sensory Development, Creating Individualized Sensorial Plans, Sensory Exploration and Special Needs, Practical Applications and Group Observation

Unit 4: Introduction to Practical Life : Care of Self and Care of the Environment

Overview of Practical Life Activities, The Importance of Practical Life in Montessori Education. Creating a Prepared Environment, Practical Demonstrations and Hands-on Practice. Activities for Personal Hygiene (e.g., handwashing), Dressing Frames and Buttoning Activities. Shoe Polishing and Hair Care, Table Setting and Etiquette, Assessment and Progress Monitoring. Cleaning and Dusting Activities, Sweeping and Mopping, Plant Care and Gardening, Recycling and Composting, Individual and Group Environmental Projects

Unit 5: Grace and Courtesy and Fine Motor Skills Development

Introduction to Grace and Courtesy Lessons, Greeting and Social Interaction, Conflict Resolution and Problem-Solving, Empathy and Respect for Others, Practical Applications and Group Activities. Introduction to Bead Stringing, Cutting and Pasting Activities, Sewing and Embroidery, Pouring and Transferring, Practical Life Extensions and Integration

PAPER VI (Practical 3) : Montessori Practical Culture Course Syllabus

Unit 1: Introduction to Montessori Cultural Materials

Overview of Montessori Cultural Materials, The Importance of Cultural Education in Montessori, Creating a Prepared Environment for Cultural Exploration, Practical Demonstrations and Hands-on Practice

Unit 2: Geography

Introduction to the Montessori Globe and Maps, Land and Water Forms Activities, Introduction to the Continents and Oceans, Land and Water Research Activities, Assessment and Progress Monitoring

Unit 3: History

Introduction to the Montessori Timeline, The Study of Eras and Historical Figures, Exploration of Ancient Civilizations, Time-Lining and Sequencing Activities, Individual and Group History Projects

Unit 4: Biology, Botany, and Zoology

Introduction to the Study of Living Things, Classification of Plants and Animals, Exploration of Life Cycles, Study of Habitats and Biomes, Practical Applications and Group Scientific Investigations

Unit 5: Cultural Integration and Projects

Integrating Cultural Subjects into Daily Activities. Cultural Celebrations and Festivals, Field Trips and Guest Speakers, Creating Individualized Cultural Exploration Plans, Practical Applications and Group Cultural Projects.

Reference Books:

"Montessori: A Modern Approach" by Paula Polk Lillard, 1972, United States

"Montessori Today: A Comprehensive Approach to Education from Birth to Adulthood"
by Paula Polk Lillard, 1996, United States

"Montessori from the Start: The Child at Home, from Birth to Age Three" by Paula Polk Lillard and Lynn Lillard Jessen 2003, United States

"The Absorbent Mind" by Maria Montessori. 1949. United States

"The Secret of Childhood" by Maria Montessori. 1936.: United States

"The Joyful Child: Montessori, Global Wisdom for Birth to Three" by Susan Mayclin Stephenson

"The Essential Montessori: An Introduction to the Woman, the Writings, the Method, and the Movement" by Elizabeth G. Hainstock

"Montessori Learning in the 21st Century: A Guide for Parents and Teachers" by M. Shannon Helfrich -