



TAMILNADU COUNCIL FOR OPEN AND DISTANCE LEARNING

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Internationally Accredited Institution Registered under Tamilnadu Govt Act

CURRICULUM STRUCTURE OF TEACHERS EDUCATION (D.T.Ed)

Eligibility : A pass in 12th Std

Duration : 1 Year

Examination : Academic (June) / Calendar (December)

Diploma in Teachers Education (D.T.Ed)

Sl. No	Course Code	Course Description	Maximum Marks
1.	DTE 01	Foundations of Education	100
2	DTE 02	Philosophical Perspectives of Education	100
3.	DTE 03	Moral and Value Education	100
4.	DTE 04	Psychology of Learning	100
5.	DTE 05	Knowledge of School Curriculum Development	100
6.	DTE 06	Pedagogy of School Subject*-(Teaching Subject)	100

1. FOUNDATIONS OF EDUCATION

UNIT -I : PHILOSOPHY OF EDUCATION

1. Meaning, Nature and scope of philosophy of education.
2. Philosophy, Education and their interdependence.
3. Aims of education- Need and classification of Aims.
4. Theory of Values in Education-Meaning, Types and Classification of Values.

UNIT -II : PHILOSOPHY AND EDUCATIONAL IMPLICATION OF THE FOLLOWING

1. Idealism
2. Naturalism
3. Pragmatism
4. Existentialism

UNIT -III : SOCIOLOGY OF EDUCATION

1. Meaning Nature and scope of sociology of education
2. Culture-Meaning, characteristics, traits, cultural lag, and relationship with education
3. Socialization - concept, process and role of educational institution.
4. Social stratification and education

UNIT -IV : ECONOMICS OF EDUCATION

1. Nature of Economics
2. Meaning and scope of economics of education
3. Education as human capital
4. Education and human resource development

2. PHILOSOPHICAL PERSPECTIVES OF EDUCATION

UNIT-I : PHILOSOPHICAL FOUNDATIONS OF EDUCATION

Aims of Education: Historical perspective, changing aims of Education in the context of globalization, Educational aims as derived from the constitution of India.

Purpose of Education: Individual or social development materialistic and spiritual development and political agenda of education, national development.

UNIT-II

Major Philosophical Schools Idealism, Naturalism, Realism, Pragmatism, Existentialism Study of the mentioned philosophical schools with special reference to their basic principles, aims, curriculum and teaching methodology.

UNIT-III : EDUCATIONAL THINKERS (INDIAN & WESTERN)

Analytical study of thoughts of the Indian thinkers in relation to their formulation about aims of education, curriculum, teaching methodology and teacher : RabindraNath Tagore, Mahatma Gandhi, Sri Aurobindo, J. Krishnamurti.

Analytical study of thoughts of the Western thinkers in relation to their formulation about aims of education, curriculum, teaching methodology and teacher : Rousseau, John Dewey, Pestolozzi, Frobel.

UNIT-IV: CURRICULUM AND EDUCATION

Curriculum: Need and concept, curriculum and syllabus Determinants of curriculum: criteria, Nation and school level determinants, Different approaches towards curriculum development major principles and bases

3. MORAL AND VALUE EDUCATION

UNIT-1: MEANING AND SCOPE OF VALUE EDUCATION

- A. Meaning of values: axiological basis of human values and their relevance for education.
- B. Classification of values in terms of individual and social need and their hierarchy.

UNIT-2 : PEDAGOGY OF VALUES

- A. Organizing instructional programmes in schools with focus on values specially human values.
- B. Strategies- direct and indirect for promotion of values in a school system.

UNIT- 3 : ETHICAL CONCERNS IN TEACHING PROFESSION

- A. Ethics of restraint, Ethics of virtue and Ethics of altruism: Context of education.
- B. Making moral and character education effective.

UNIT-4 : MORALITY AND TEACHER

- A. Moral ethics : concept and connotation: moral ethics and its necessity for teaching profession
- B. Professional ethics and the teacher : Moral obligations in teaching profession specially in the global era. Transactional strategies - Presentation of Cases and organizing discussions based on them. Visits to selected institutions in the community which play distinct role in value inculcation. Interactive sessions based on readings and reflections

4. PSYCHOLOGY OF LEARNING

UNIT-I

Self, concept, self esteem, skill competencies, understanding differently abled learners: Slow learners and dyslexic learners.

UNIT-II

Understanding the Learners Interests: Meaning, definition, factors effecting interests Needs: Maslow's Hierarchy of Needs Motivation: Nature, Characteristics and Types of Motivation; Techniques of Increasing Learner motivation.

UNIT-III

Learning Types of Learning- Factual, association conceptual, principles and rules. Remembering, forgetting, attention, motivation, strategies of learning. Transfer of Learning: Nature, theories of learning: Trial and Error, classical and operant conditioning, Insight Factors influencing learning and learning problems (individual related task related and learning conditions related variables) Nature, Theories of Learning: Trial and Error, classical and operant conditioning, Insight Factors influencing learning and learning problems (individual related, task related and learning conditions related variables).

UNIT – IV

Understanding Diversity in the Classroom Learning in a Social Group: Characteristics and psychology of a social group. School as a social group, Class as a social group. Group Dynamics: Group Dynamics in a classroom, Sociometry of a group. Inclusive Education: Concept and need for Inclusive Education, Philosophy (Transition from Segregation to Integration), Practices, Strategies and Classroom management by the teacher in Inclusive Education

5. KNOWLEDGE OF SCHOOL CURRICULUM DEVELOPMENT

UNIT-1

Educational Objectives: Classification, writing them in the terms of behavioural outcomes.

UNIT-2

Curriculum: Meaning and concept, difference from syllabus, types of curriculum.
Curriculum Development: A historical perspective, Defects in existing curriculum.

UNIT-3

Approach to Curriculum Development: Curriculum designs, principles of curriculum construction, steps in the in the process of curriculum development.

UNIT-4

Professional support for curriculum development: Role of NCERT, CBSE, SCERT and SIES Preparing curriculum handbooks, modules, source material and innovative instructional material. Text books-Their types features, role in learning and evaluation textbooks. NCF – Special Features

6. PEDAGOGY OF SCHOOL SUBJECT (TEACHING ***)**

This is an elective paper where the student is free to choose the subject from a choice of 10 different subjects. English, Tamil, Mathematics, Science, History, Geography, Economics, Computer Science, Commerce, Accountancy

TEACHING ENGLISH

UNIT-1

Aim and value of teaching English in our school, place and importance of English in curriculum.

- Aid of Teaching English.
- Teaching of spoken English.

UNIT-2

Approaches of teaching of English Grammar Translation, Direct method, Structural approaches steps of structural approach.

Teaching of Reading: Nature of Reading process, oral and silent reading, Intensive and Intensive reading, Methods of teaching English.

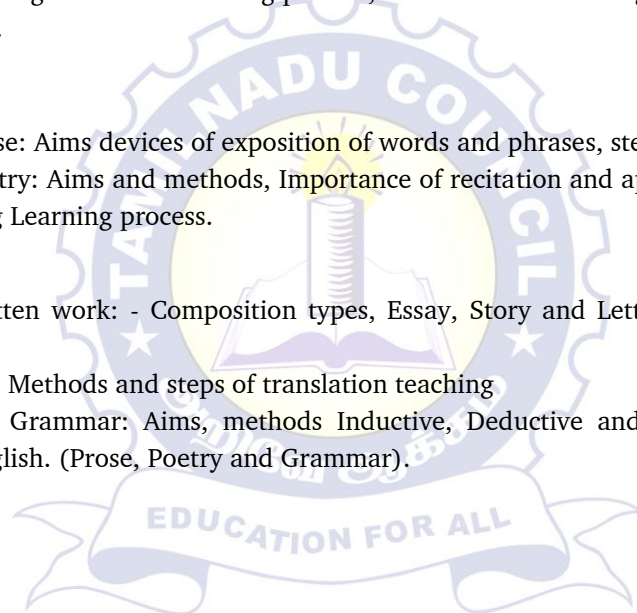
UNIT-3

- Teaching of Prose: Aims devices of exposition of words and phrases, steps of teaching prose.
- Teaching of Poetry: Aims and methods, Importance of recitation and appreciation. Teaching Aids, CAI & CME in teaching Learning process.

UNIT-4

Teaching of written work: - Composition types, Essay, Story and Letter writing, steps and methods of composition teaching.

- Translation : Methods and steps of translation teaching
- Teaching of Grammar: Aims, methods Inductive, Deductive and Correlative. Lesson planning of teaching English. (Prose, Poetry and Grammar).



6. Pedagogy of School Subject (Teaching *****)

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Teaching Mathematics

UNIT-1

- Meaning and nature of Mathematics, History of Mathematics and contribution of Indian and Western Mathematician with reference to Bhaskaracharya, Arybhata, Ramanujan, Euclid Pythagoras etc.
- Mathematics for gifted and retarded children. Journal and reference books in mathematics

UNIT-2

- Objectives of teaching mathematics in terms of Instruction and behaviour, approaches to teaching of mathematics – analytic, synthetic, inductive-deductive heuristic, project and laboratory; using various techniques of teaching mathematics viz, oral, written, drill, assignment, supervised study and programmed learning. Teaching of Reading: Nature of Reading process, oral and silent reading, Intensive and Intensive reading, Methods of teaching English.
- Arousing and maintaining interest in learning of mathematics.

UNIT-3

- Meaning and importance of planning. Preparing lesson plan, meaning and purpose of a unit plan, yearly plan, short lesson plan, preparing low cost improvised teaching aids, Audio Visual aids in mathematics.
- Transfer of mathematics learning to various school subjects, among its different branches and in actual life situation

UNIT-4

- Principles and rationale of curriculum Development for the Secondary and Sr. Secondary level. Recent trends in mathematics curriculum. Critical evaluation of existing mathematics curriculum prescribed by Rajasthan Board of Secondary Education and CBSE at different levels.
- Mathematics laboratory (Planning and Equipment). The mathematics teacher academic & professional preparation.

UNIT-5

- Text Book in mathematics – qualities of a good text book, process of obtaining feed back and evaluation in mathematics in terms of cognitive, affective and psychomotor development. Preparation and use of tests for evaluation such as achievement test & diagnostic test.
- Diagnostic, Remedial and Enrichment programmes with respect to syllabus at upper primary, Secondary and Sr. Secondary stages in the state.

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Teaching Science

UNIT-1

Nature, Scope and Objectives

- Definition and concept of Science.
- Place of Science in School Curriculum.
- Values of teaching Science at School Level.
- Correlation of Science with other subjects.
- Objectives of teaching sciences at Secondary Level.

UNIT-2

Curriculum and Planning

- Principles of developing Science Curriculum at Secondary Level.
- Factors affecting the selection and organization of Science Curriculum.
- Unit Plan and Lesson Plan.
- Qualities and responsibilities of Science Teacher.
- Role of teacher in training students in Scientific method and developing creativity among students.

UNIT-3

Methods of Approaches

- Lecture method, Demonstration, Lab. Method Problem solving, Heuristics, Project Method, Inductive & deductive method.
- Inquiry approach programmed Instruction, Panel discussion, Team teaching & Workshop.

UNIT-4

Instructional Support System

- Multi-sensory aids-Charts, models, Bulletin Board, Flannel Board, Transparencies, Overhead Projector, Radio, T.V. Computer.
- Co-curricular activities – organization of science club, science fair and excursions, use of community resources.
- Science Lab Planning & equipping Science Lab. Guidelines for organizing practical work care and maintenance of equipment, safety precautions for work in Science Lab.

UNIT-5

Evaluation

- Evaluation: Concept, types and purposes.
- Type of test items – Objective type, S.A. & Essay type.
- Planning objective based test items of different types.
- Preparation of Blue Print and construction of Achievement test.
- Evaluation of practical work in Science

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TEACHING HISTORY

UNIT-1

NATURE, SCOPE AND OBJECTIVES

- Meaning, nature and scope of history.
- Importance of teaching history.
- Aims and objective of teaching history at different levels,
- Importance of studying local history national History and world history in the context of national integration and international brotherhood and global citizenship.
- Co-relation of History with other school subjects.

UNIT-2

CURRICULUM AND PLANNING

- Meaning and Concept of curriculum
- Fundamental principles of formulating curriculum in History and critical appraisals of the existing syllabus.
- Lesson Plan – Annual plan, Unit plan and Daily lesson plan of teaching History, qualities and professional growth of History teacher, his role in future prospective.

UNIT-3

METHODS OF APPROACHES

- Various methods of teaching History (Story Telling Biographical Dramatization time sense, source Project and Supervised study method)
- Resource Material.

UNIT-4

INSTRUCTIONAL SUPPORT SYSTEM

- Audio – Visual aids in teaching history.
- Text book, teacher, co-curricular activities.
- Community Resource : Computer, T.V. History room
- Planning of historical excursion.
- Co-Curricular activities.

UNIT-5

EVALUATION

- Concept and purpose of evaluation
- Objectives based evaluation.
- Tools and techniques of evaluation in History teaching.

(i) Various types of question (ii) Blue Print (iii) Content analysis

6. PEDAGOGY OF SCHOOL SUBJECT (TEACHING ***)**

TEACHING GEOGRAPHY

UNIT-1

Nature, Scope and Objectives

- Changing concept of Geography – Practical Geography.
- Its place and scope (importance).
- Aims and objectives of Geography teaching at secondary level, its role in developing international understanding.
- Correlation of Geography with social sciences, economics, civics, Natural Science, Environmental Science.

UNIT-2

Curriculum and Planning

- Characteristics of a good Geography Curriculum
- Critical Appraisal of Geography Syllabus.
- Planning Daily Lesson Plan & Unit Plan.
- Geography Text Book.
- Qualities, role & Professional growth of Geography Teacher

UNIT-3

Methods of Approaches

- Regional method, Demonstration, Inductive, Deductive, Project, Comparative, Lab. Method. Field trips, local & Regional Geography. Other Innovative Practices – Programmed Learning, Computer, Geography Club, Geography Lab.

UNIT-4

Instructional Support System

- Teaching aids and lab equipment
- Geography Room/Laboratory & Museums.
- Resource material and use of local resources in teaching Geography.
- Co-Curricular activities.

UNIT-5

Evaluation

- Tools Techniques of Evaluation in Geography.
- Achievement Test.
 - ✓ Different Types of Questions.
 - ✓ Blue Print.
 - ✓ Preparation of Question Paper.
 - ✓ Diagnostic & Remedial Teaching in Geography.

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TEACHING ECONOMICS

UNIT-1

NATURE, SCOPE AND OBJECTIVES

- Meaning, Nature, Scope of Economics.
- Importance of Economics in School Curriculum.
- Aims and Objectives of teaching Economics at different level.
- Correlations of Economics with school Subject.

UNIT-2

CURRICULUM AND PLANNING

- Concept and objectives of curriculum.
- Fundamental Principles of formulation of curriculum in Economics.
- Critical Appraisal of the existing syllabus.
- Lesson Plan – Annual Plan, Unit and Daily Lesson Plan of teaching Economics.
- Planning Outdoor activities.

UNIT-3

METHODS OF APPROACHES

- Various methods of teaching Economics – Project, Problem solving, Discussion, Analytic – Synthetic and Lecture Method.
- Innovative Practices in Economics Teaching – Brain Storming, work shop

UNIT-4

INSTRUCTIONAL SUPPORT SYSTEM

- Use of teaching aids in Economics.
- Print and Non Print media, community resources, Lab and Museum.
- Economics teacher and his qualities.
- Critical appraisal of Economics Text Book..

UNIT-5

EVALUATION

- Purpose and concept of evaluation.
- Objective of base evaluation.
- Preparation of achievement test –
 - ✓ Various Types of Question
 - ✓ Blue Print
 - ✓ Preparation of question paper
 - ✓ Sessional works

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TEACHING COMPUTER SCIENCE

UNIT-1

Computer Fundamentals

- Introduction to computer :-
 - ✓ Generations of Computer.
 - ✓ Block diagram of Computer.
 - ✓ Classification & Historical Development of Computer
- Concept of hardware and software.
- Input/output devices: Keyboard, Mouse, Monitor, Printer, touch screen, light pen, scanning device, optical scanning & bar code scanning.
- Storage devices: Hard disk, Floppy disk, optical disk, internet hard drives, CD, DVD.
- Computer memory and its units – RAM, ROM, microprocessor, expansion slots and cards.

UNIT-2

Operating System

- Basic features of Windows 98, xp & vista
- “Windows” and its accessories & applets eg. Explorer, file manager, Notepad, Wordpad, Calculator, Paint etc.
- Basic features of Linux

UNIT-3

Office Package

- MS-Word : Text Management
- MS-EXCEL: To support spread sheet and graphics.
- POWER POINT: Preparation of presentation.

UNIT-4

Internet and Multimedia

- Basic of communication.
- Wireless revolution: wireless connection, infrared, microwave, satellite
- Types of networking
- Server, Modem, E-Mail, Internet surfing for educational purpose, Websites, Search Engines.
- Concept of Multimedia and its educational uses.
- Basic concept of HTML

UNIT-5

Applications & Concepts

- Computer as teaching machine :

- ✓ Computer Aided Instruction (CAI) : concept and modes.
- ✓ Concept of other terms like CMI (Computer Managed Instruction, CALT (Computer Assisted Learning and Teaching).
- Information Technology and Computer (concept, role, impact on education system.)
- Role of Computers in Education System. (e.g. library management, Educational Management of Research. School Management, Evaluation distance education, Education of special Children etc.).

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TEACHING ACCOUNTANCY

UNIT-1

- Meaning and scope of Book – Keeping and Accountancy, its value and importance in social life.
- Aims and objectives of teaching Book Keeping and Accountancy at Senior Secondary Level.

UNIT-2

Planning for teaching and role of teacher

- Unit plan and Daily Lesson Plan.
- Teachers role and attitude
- Maxims and principles of classroom teaching
- Classroom observation.

UNIT-3

- Teaching approaches of Book-keeping and Accountancy:-
 - ✓ Journal Approach
 - ✓ Ledger Approach
 - ✓ Cash Book Approach
 - ✓ Equation Approach
- Various Methods of teaching Book Keeping and Accountancy with special reference to modern methods of teaching, Project, Problem solving, Lecture-cum-demonstration and discussion methods.
- Techniques and devices of teaching Book Keeping and Syllabus/B.Ed. / 43 Accountancy.

UNIT-4

- Principles and approaches of framing syllabus and its critical appraisal at Senior Secondary Level.
- Text Book Keeping and Accountancy their importance, criteria for selection of text book, reference books and journals.

UNIT-5

- Evaluation of students performance.
- Audio –Visual aids in teaching Book Keeping and Accountancy Computer, (Tally) Internet.

6. PEDAGOGY OF SCHOOL SUBJECT (TEACHING ***)**

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TEACHING COMMERCE

UNIT-1

COMMERCE TEACHING

- Meaning, Nature and Scope of Commerce Education.
- Aims, objectives and values of teaching commerce at Senior Secondary Level.
- The place of Commerce in Education.

UNIT-2

METHODOLOGY OF TEACHING.

- Unit Plan and Daily Lesson Plan.
- Maxims of Teaching.
- Classroom observation.

UNIT-3

METHOD & TECHNIQUE JOURNAL APPROACH

- Modern methods of teaching Commerce.
- Devices of teaching Commerce.
- A critical estimate of the present syllabus in Commerce at Senior Secondary Level.

UNIT-4

INSTRUCTIONAL MATERIAL FOR

- Importance of proper equipment and material for effective instruction.
- Criteria for selection of instructional material and equipment.
- Different audio-visual equipment and material used Commerce Education.
- Evaluation of text books in Commerce at Senior Secondary Level.

UNIT-5

EVALUATION

- Qualities of Commerce Teacher, Role and Professional growth of Commerce Teacher.
- Evaluation in Commerce – Importance, Type of Tests-Essay, Short Answer and Objective type.