Curriculum Framework Master of Education (2- Year) Academic Year 2023-25

Based on NEP 2020



भारतीय शिक्षक प्रशिक्षण संस्थान, गांधीनगर Indian Institute of Teacher Education, Gandhinagar (A State Public University Established by Government of Gujarat) **Curriculum Framework Master of Education (2-Year) 2023**

Published by

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Registrar

Indian Institute of Teacher Education

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From the Desk of Vice-Chancellor....

Dear All,

National Education Policy-2020 (NEP-2020) has been a policy to place Indian Education System on the global platform. It has been guiding us to reframe educational ethos in global context intervening Indian Knowledge System. India has been regarded as one of the ancient educational system and world was attracted towards the system our forefathers invaded for centuries. It has been our hard luck that the Centres of Knowledge, and Teaching and Learning like; Takshshila, Nalanda, Vallabhi, etc. were attacked and vanished the places were the Knowledge was practiced. But the spirit and zeal, which we have inherited still exists in hearts of Indians from ages. It is the right time to explore our culture, traditions, ethos, values, rituals to the world and it will bring solace to millions and millions of individuals all over the Globe; because we believe in "वसुधेव कुटुम्बकम्" and it can be proved with how Indus Valley Culture has possessed the real essence of these words. Indian Subcontinent has been found under tremendous disturbance and so is the world. If we wish, as Global Citizen, peace and harmony among all, we need to have paradigm shift in Educational System. This shift will place India as "विश्वगुरू" and that is the mission envisaged in NEP-2020.

Indian Institute of Teacher Education, Gandhinagar is an institute with difference because it has been instituted for the noble cause of uplifting the standards of School Education through Teacher Education, because the Teacher can reestablish the Indian Ethos in global context. The teacher is pivot in bringing out dynamism into young learners and there may be different society in future. This global community has power to establish peace and harmony into the world.

So, looking at need of futuristic societies and recommendations of NEP-2020, IITE has revised its curriculum on guiding principles of NCFTE-2009 and NEP-2020. The revised curricula is within recommendation of NEP-2020 of Integrated Teacher Education Programme (ITEP) and all guiding principles and recommendations of NCTE's Curriculum Committee have been incorporated. It is certain that these curricula will help prospective teachers and prospective teacher educators to develop holistically.

On publishing the curriculum framework for all courses offered by IITE, I thank faculties and Members of BoS and Academic Council for wholehearted efforts in bringing out these curricula in very short notice. It is also a request to all stakeholders to review and let us know what the best can be added to these curricula for making it more comprehensive and updated.

Wishing all of you all the best.

5th September, 2023

Gandhinagar Dr. Harshad A. Patel

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Curriculum Framework M.Ed. (2-Year) in force from Academic Year 2023-25

Sr. Area			Sr.			Credit Per Sem					
No		No	Courses	S-1	S-2	S-3	S-4	Total	per		
			Dayah alagical Fayndations in					Credit	Area		
		1	Psychological Foundations in	4				4			
Learner Stu	ıdies 📙		Education Guidance & Counselling	<u> </u>							
		2	Services(O3)			4		4			
Contemporary	/ Studie	3	Teacher Education				4	4			
- Someoniporum	7 0 00:0:10		Philosophical and Sociological	_							
		4	Foundations in Education	4				4			
1	Γ	5	Foundational and Prepratory						26		
			Stage in Education (O1)								
Education	nal	6	Middle and Secondary Stage in	4				4			
Studies	s -		Education(O1)								
	-	7	Higher Education(O1)								
		8	Policy, Politics and Economics of	2				2			
	-		Education				4	4			
		9	Indian Knowledge System	4.0			4	4			
Total			Inclusion, Concept 9, Delieu	14	0	4	8	26			
		1	Inclusion: Concept & Policy Framework			4		4	-		
Curriculum S	Stuies	_	Curriculum Planning, Evaluation				_	_			
		2	and Research				4	4			
	3		Technology in Education			4		4			
2 Assessmen	Assessment and	Assessment and	4				4		4	28	
Evaluation	on	4	Measurement and Evaluation			4		4	20		
		5	Management & Administration		4			4			
Enhancing Prof	.	nhancing Professional	6	Academic Writing		4			4		
Capabilit		7	Environment Education (O4)								
	Ī	8	Value Education (O4)				4	4			
Total				0	8	12	8	28			
2	•	1	Internship MEd-I		2			2			
3 Internsh	ıb –	2	Internship MEd-II			2		2			
		1	Methods of Research in	Л				А			
		1	Education:I	4				4			
		2	Methods of Research in		4			4			
			Education:II								
	-	-	Educational Statistics-I (O2)		4			4			
	_	4	Educational Statistics-II (O3)			4*		4*	26		
	<u> </u>	5	Psychological Testing(O2)		4*			4*	26		
4 Researc	n	6	Preparation and Presentation of	2				2			
	-		Theme Paper								
		7	Dissertation I - Research		2			2			
	-		Proposal Dissertation II - Tool								
		8	Development		2			2			
	<u> </u>		Dissertation III - Report								
		9	Submission				4	4			
Total				6	12	4	4	26			
			Total	20	20	20	20	80	80		

SEMESTER I

Semester - I

	Total papers	Hours	Credit	Internal	External	Total
Theory	5	270	18	135	315	450
Research	1	60	2	50	0	50
	Total	330	20	185	315	500

Sr. No	Title	Туре	Nature of Paper	Hours	Credit	Internal	External	Total
1	Psychological Foundations of Education	Theory	Compulsory	60	4	30	70	100
2	Methods of Research in Education I	Theory	Compulsory	60	4	30	70	100
3	Philosophical and Sociological Foundations in Education	Theory	Compulsory	60	4	30	70	100
4	Foundational and Prepratory Stage in Education/ Middle and Secondary Stage in Education/ Higher Education	Theory	Optional	60	4	30	70	100
5	Policy, Politics and Economics of Education	Theory	Compulsory	30	2	15	35	50
6	Preparation and Presentation of Theme Paper	Practical	Compulsory	60	2	50	0	50

Psychological Foundations of Education

Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Understands the nature of human growth and development.
- Understands learning as a process and the factors affecting it.
- Understands the concept and process of learning acceleration.
- Develops their abilities to apply different learning theories according to the demand of the situation.
- Develops the ways of enhancing some mental abilities of the learners.
- Develops a proper perception regarding theories of personality.
- Develops skill of guidance and counselling

Unit 1: Schools of Psychology and Theories of Learning

- 1.1 Introduction to various Schools of Psychology: Structuralism, Functionalism, Behaviourism, Gestalt School, Psychoanalytic School, Humanistic School, and Cognitive School
- 1.2 Learning Curve, Gagne's Theory of Hierarchy of Learning, Bandura's Theory of Social Learning
- 1.3 Hull's Theory of Learning, Bruner's Learning Theory
- 1.4 Insightful Learning, Tolman's Learning Theory

Unit 2: Intelligence and Personality

- 2.1 Intelligence: Stenberg's Theory of Intelligence, Social Intelligence
 Multiple Intelligence: Concept, Gardener Theory of Multiple Intelligence
- 2.2 Emotional Intelligence: Concept And Daniel Goleman's Theory
- 2.3 Personality: Freud's Structure of The Human Mind, Freudian Psychoanalytic Theory of Personality, Carl Rogers's Humanistic Theory of Personality,
- 2.4 Erikson's Theory of Personality, Jung's Theory of Personality and Gordon's Allport's Trait Theory of Personality

Unit 3: Aptitude, Interest, Thinking, Reasoning

- 3.1 Aptitude: Concept, Nature, Types, Uses, Advantages, Limitations, Measurement Difference: Aptitude and Intelligence, Aptitude and Achievement, Aptitude and Interest
- 3.2 Interest: Concept, Development and Identification of Interest
- 3.3 Attention: Concept, Characteristics, Factors affecting Attention, Types
- 3.4 Reasoning: Concept, Characteristics, Steps, Types

Unit 4: Guidance and Counselling

- 4.1 Guidance: Concept, Nature, Principles and Need of guidanceTypes: Individual guidance, Educational guidance, and Vocational guidance
- 4.2 Counselling: Concept, Nature, Principles and Need of counselling Types: Directive Counselling: Steps, Limitations

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Non-Directive Counselling: Steps, Limitations Eclectic Counselling: Steps, Limitations

4.3 Approaches: CBT, REBT

4.4 Carl Roger's Client centred Theory

Mode of Transaction: Group discussion, Lecture-cum –discussion, Panel discussion, Symposium, Reports, Research Journals, School visits and sharing of experiences

- To organize a seminar on the current topic of educational psychology.
- Visit of Psychological lab and get acquainted with psychological equipment.
- Preparation of any tool on intelligence and its administration on five students
- Conduct a case study on one student who has difficulties in learning in primary years.
- Preparation of learners' profiles based on cognitive and non-cognitive characteristics in order to depict individual differences at the primary or secondary stage.

Methods of Research in Education I

Compulsory
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Understands the basics of educational research.
- Develops the skill of reviewing related literature and previous research.
- Comprehends the meaning of variables, objectives and hypotheses of research.
- Develops understanding of population, sample and sampling technique.

Unit 1: Basics of Educational Research

- 1.1 Research: Definitions, Meaning and Characteristics
- 1.2 Types of Research:

Fundamental Research, Applied Research, Action Research;

Quantitative Research, Qualitative Research

- 1.3 Educational Research: Definitions, Meaning and Characteristics
- 1.4 Areas of Educational Research, Steps of Educational Research Process

Unit 2: Review of Related Literature

- 2.1 Review of Related Literature: Meaning and Need
 - Sources: Primary, Secondary and Tertiary
- 2.2 Types of Review: Traditional or Narrative, Systematic, Meta-analysis, Meta-synthesis
- 2.3 Conceptual and Theoretical Framework; Operationalisation of terms used
- 2.4 Criteria for Selecting Research Problem:

Unit 3: Objectives , Variables, and Hypotheses of Research

- 3.1 Research Problem and Research Questions: Characteristics, Points to be kept in mind
- 3.2 Objectives of Research: Points to be kept in mind and Importance
- 3.3 Variable: Meaning and Types- Independent, Dependent, Moderator, Controlled and Intervening & Confounding Variable
- 3.4 Hypothesis: Concept and Characteristics,

Types: Declarative, Directional, Non-directional, Question Form, Null and Research Hypothesis

Unit 4: Population, Sample and Sampling Technique

- 4.1 Universe and Population: Concept and Characteristics
- 4.2 Sampling: Meaning, Need and Characteristics
- 4.3 Types of Sampling

Probability: Random, Stratified, Systematic and Cluster

Non-Probability: Incidental, Purposive, Convenient, Quota and snowball,

Multiphase, Multistage, Double and Match Pair Sampling

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4.4 Sample: Concept, Characteristics and Importance
Choice of Sampling Method and determination of sample size

Mode of Transaction: Lecture cum Discussion, Field trip, Assignment, Project

- Classroom discussions on various topics related to research in education
- Panel discussion/debate/seminar presentation on various topics related to research in education

Compulsory

Credit: 04

Philosophical and Sociological Foundations in Education Marks:100

Learning Outcomes:

Prospective teacher educator...

- Comprehends the concepts of philosophy, philosophy of education and its branches.
- Critically analyses and appreciates the schools of philosophy and educational thought of thinkers.
- Examines and reflects on the sociological and sociocultural context of education.
- Critically evaluates and reflects on relation between society and education

Unit 1: Introduction to Philosophy of Education

- Definitions, Concept and Nature of Philosophy from Bhartiya and Western Perspectives
- Branches of Philosophy; Metaphysics, Epistemology and Axiology; their Educational 1.2 Implications, Inter-Relation between Philosophy and Education
- Concept, Nature Scope and Functions of Philosophy of Education 1.3
- Axiological Perspectives of Indian Constitution- Socialism, Secularism, justice, liberty, 1.4 democracy, equality, freedom

Unit-2: Schools of Philosophy and Educational Thinkers

- Indian Schools of Philosophy Darshan, Vedanta, Samkhya, and Buddhism with special reference to concept of knowledge, reality, values and educational implications.
- 2.2 Western Schools of Philosophy - Existentialism, Post-modernism, and their educational implications
- 2.3 Contribution of Indian Philosophers: Rabindranath Tagore, J. Krishnamurthy, Shri. Aurobindo
- 2.4 Contribution of Western Philosophers: Rousseau, Plato and John Dewey

Unit-3: Sociological and Socio-cultural Context of Education

- Meaning of sociology, education and sociology of education, Nature and Branches of Sociology, Inter-Relationship between Education & Sociology
- 3.2 Culture: Meaning, Nature, Cultural change and Cultural Lag - relation with education
- 3.3 Social Change: Meaning, Nature, Pattern and Factors; Interrelationship with Education
- 3.4 Politics, Education and Society: Political influence on education, educational influence on politics, relation between politics education and society.

Unit 4: Society and Education

- 4.1 Concept and types of social Institutions and their functions: family, school and society
- 4.2 Concept of Social Movements and social stratification, Role of Savitribai Phule, M. S. Ghurye and Dayanand Saraswati in Social movements
- Theories of Social Movements: Relative Deprivation, Resource Mobilization, Political Process 4.3 Theory and New Social Movement Theory
- 4.4 Approaches to Sociology of Education: Symbolic Interaction and Conflict Theory

Mode of Transaction: Lecture cum Discussion, Field trip, Assignment, Project

- Debate and discussions on philosophical or sociological issue in education.
- Case study analysis using philosophical and sociological theories.
- Field visit to educational institution that embraces a particular philosophy.
- Documentary and Film analysis to study and discuss implications for education.
- Research to investigate the impact of a particular philosophical or sociological foundation in education using interviews, surveys, or literature reviews.

Optional Credit: 04 Marks:100

Foundational and Prepratory Stage in Education

Learning Outcomes:

Prospective teacher educator...

- Understands the concept, context and historical development of foundational and preparatory stage in education.
- Recognises and analyses the structure of foundational and preparatory stage in education.
- Appraises the national curriculum frameworks and pedagogy for foundational and preparatory stage in education.
- Reviews and reflects on the critical areas of addressing development needs, support systems and teacher empowerment.

Unit 1: Concept and Historical Development

- 1.1 Concept of Education and foundational and preparatory stage in education, Overview of structure of school education in India
- 1.2 The Development of Early Childhood Care and Education in India and World,
 Pre-primary Education in India: Aims, characteristics, guiding principles
- 1.3 Historical overview of Foundational and preparatory stage education in pre and post independent era in India
- 1.4 Policy Perspective of Foundational and Preparatory Stage Education: National Policy of Education, 1986 (NPE-1986), Program of Action -1992 (POA, 1992), National Early Childhood Care and Education (ECCE) Policy (2013) and NEP (2020). w.r.t pre-primary and elementary stage recommendations

Unit 2: Structure of Foundational and Preparatory Stage

- 2.1 Schemes and Institutions involved in foundational and preparatory stage in education -Characteristics and impact of Operation Blackboard, District Primary Education Programme (DPEP), Integrated Child Development Services (ICDS) scheme, National Programme for Nutritional Support (Mid-day Meal), National Programme for Education of Girls at Elementary Level (NPEGEL)
- 2.2 Functions of Early Childhood Care and Education (ECCE) Centres
 Aims, and Role of Samagra Shiksha Abhiyan in strengthening and universalisation
- 2.3 Regulatory Bodies for management and administration in foundational and preparatory stage in education Role of Ministry of Education, NCERT, GCERT and DIET in Foundational and Preparatory Stage
- 2.4 Institutions for foundational and preparatory stage- Balwadis, Aganwadis and pre-primary schools etc.

Unit 3 National Curriculum Frameworks and Pedagogy

- 3.1 National Curriculum Framework (NCERT, 2009): Overview of major recommendations for foundation and preparatory stage education
 - Pre-school curriculum (NCERT, 2019) Vision, concerns related to early learning, curriculum and learning environment

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- 3.2 National Curriculum Framework for Foundational Stage (2022) Aims, principles of and approach to language education and literacy.
- 3.3 Principle of Pedagogy and Pedagogical approaches- Theme-based approach, Play-based approach, Activity-based approach, Project-based approach, Integrating approach, strategies for literacy and numeracy
- 3.4 Assessment: Guiding principles, methods and tools, documentation and communication of assessment result at foundational and preparatory stage in education.

Unit 4: Addressing critical areas and developing support system

- 4.1 Developmental Aspects: Physical, Health, Motor, Sensory and perceptual Development Language & Cognitive Development during early ages
- 4.2 Addressing development delays and disability; ensuring safety and security in the school environment
- 4.3 Teachers at foundational and preparatory stage w.r.t teacher preparations, recruitment, competencies and professional development
- 4.4 Critical Reflection on the missions at Foundational Stage; Foundational Literacy and Numeracy (FLN), Pravrutti Dwara Gnan (PRAGNA)

Mode of Transaction: Lecture method, Discussion, Assignment work, Group Project

Suggested Activities: Field Visits, Projects & Research, Case Studies and comparative studies

Middle and Secondary Stage in Education

Optional
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Understands the concept, context and historical development of middle and secondary stage Education.
- Recognises and analyses the structures of middle and secondary stage education.
- Appraises the national curriculum frameworks and pedagogy for middle and secondary stage education.
- Reviews and appraises role of teacher in ensuring quality at middle and secondary stage education.

Unit 1: Concept and Historical Development

- 1.1 Concept of Education and secondary education
 - -Historical Overview of General Structure of school education
- 1.2 General Aims and Objectives, Nature and Characteristics, Scope and Functions of Middle and Secondary Education
- 1.3 Historical Perspectives of Middle and Secondary Stage in Education
 - -Ancient, Medieval and Colonial India w.r.t nomenclature, curriculum and teaching methods
 - -Post Independence Recommendations of Mudaliar Commission, Kothari Commission and Knowledge Commission w.r.t middle and secondary education
- 1.4 Policy Perspective on Middle and Secondary Stage in Education
 National Policy on Education (1986) & National Education Policy (2020) with reference to recommendation on curriculum, pedagogy, governance and universalisation.

Unit 2: Structure of Middle and Secondary Stage

- 2.1 Institutional Structure at secondary and middle stage: central, state and local level
- 2.2 Regulatory Bodies and Institutions and their functions:
 - -National Council of Educational Research and Training, Stata Council of Educational Research and Training,
 - -National Institute of Open Schooling, Kendriya Vidyalaya Sangathan, Navodaya Vidyalaya Samiti
- 2.3 Secondary School Boards: Central Board of Secondary Education, Council for the Indian School Certificate Examination, State Boards of Education, Cambridge International Examination and International Baccalaureate
- 2.4 Types of Management of schools and role of various bodies involved in school management

Unit 3: National Curriculum Frameworks and Pedagogy

- 3.1 Relevance and concerns of National Curriculum Framework Secondary Education (2005)
- 3.2 National Curriculum Framework for School Education (2023): Major recommendations for school subjects, cross cutting themes, school culture and assessment
- 3.3 Ecosystem for Secondary Education- Developing school culture and learning environment
- 3.4 Teaching Methods, Pedagogies and assessment for middle and secondary stage

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Unit 4: Teacher, Teacher Development and Quality

- 4.1 Teachers at secondary and middle stage w.r.t teacher preparations, recruitment, competencies and professional development
- 4.2 Educational Initiatives for quality and universalisation: Samagra Shiksha Abhiyan (SSA), Rashtriya Madhyamik Shiksha Abhiyan (RMSA)
- 4.3 Quality Assurance in secondary schools: Quality Indicators, management of resources and strategies for quality improvement
- 4.4 Addressing issues of enrolment, access, stagnation, quality, professional development at Middle and Secondary Stage

Mode of Transaction: Lecture Method, Discussion, Group Project

Suggested Activities: Field Visits, Projects & Research, Case Studies and comparative studies

Higher Education

Optional Credit: 04 Marks:100

Learning Outcomes:

Prospective teacher educator...

- Understands the concept, context and historical development of Higher Education.
- Recognises and analyses the structures of Higher Education in India
- Appraises the Higher Education Qualification Framework, Curriculum and credit framework for undergraduate programmes and related policies in Higher Education
- Reviews and reflects on challenges, trends and Innovation in Higher Education.

Unit 1: Concept and Historical Development

- 1.1 Concept of Higher Education: General Aims and Objectives, Characteristics, Scope and Functions
- 1.2 Overview of Institutions of Higher Learning in Ancient India till Independence
- 1.3 Policy Perspective on Higher Education in Independent India: University Education Commission (1948-49), Education Commission (1964-66), National Policy on Education (1968 & 1986) and National Education Policy 2020
- 1.4 Higher Education in Global and social Context: Global Vs Local, Universal Vs Individual, Tradition Vs Modernity, Spiritual Vs Material, Competition and concerns for Equality of opportunity

Unit 2: Structure of Higher Education

- 2.1 Structure and Status of Higher Education in India
 - Status and Types of Universities,
 - Concept and role of Act, Statutes, Regulations, Policy and Guidelines in management of universities.
- 2.2 Apex Bodies in Higher Education: University Grants Commission (UGC), NITI Ayog, Association of Indian Universities (AIU), National Assessment and Accreditation Council(NAAC)
 - Professional Councils in Teacher Education: National Council for Teacher Education (NCTE), Rehabilitation Council of India (RCI)
- 2.3 Management of Higher Education
 - -Systemic Level: Role and responsibility of Central and State Government
 - Constitutional Provisions for Higher Education, Ministry of Education, Department of Higher and Technical Education, Commissionarate of Higher Education
- 2.4 Institutional Level: Organisational Framework,
 - Governance of Universities: Constitution, Executive Council, Academic Council, Faculty/School, Senate/Governing Council, Finance Committee, Board of Studies
 - Administrative Human Resource: The Visitor/Chancellor, Vice Chancellor, Pro-Vice Chancellor, Dean, Registrar, Finance Officer, Faculty Members Academic Human Resource Senior Professor, Professors, Associate Professors and Assistant Professors

Unit 3: Frameworks and related Policies in Higher Education

3.1 NEP 2020 and Higher Education: Major Recommendations for higher education- Institutional Restructuring, Transforming regulatory system of higher education, Governance and Leadership

- 3.2 National Higher Education Qualification Framework: Characteristics, purpose, Nomenclature and Levels
 - National Vocational Education Qualifications Framework (NVEQF)
 National Skills Qualification Framework (NSQF)
- 3.3 Curriculum and Credit Framework for Undergraduate Programme: Features, Credit Structure, Curriculum Components (Disciplinary/interdisciplinary major; Disciplinary/ interdisciplinary minor, Ability Enhancement Course, Skill Enhancement Courses, Value Added Courses, Internship, Research Project/Dissertation and Other activities
- 3.4 Policy Provisions: Academic Bank of Credit, Multiple Entry and Multiple Exit Holistic and Multidisciplinary education,

Unit 4: Teacher, Teacher Development and Quality

- 4.1 Issues Related to Expansion, Inclusiveness, Quality and Finance
- 4.2 Internationalisation of Higher Education, Public Private Partnerships
- 4.3 Rashtriya Utchtar Shiksha Abhiyan (RUSA) Objectives and Functioning. PM Uchchatar Shiksha Abhiyan (PMUSA)-Objectives and Functioning.
- 4.4 National Research Foundation Bill 2023, UGC Guidelines for transforming Higher Education Institutions into multidisciplinary institutions w.r.t research in HEI Clusters.

Mode of Transaction: Lecture Method, Discussion, Group Project

- Case studies and Group discussions.
- Visits to institutions of Higher Education and policy making institutions.
- Reading sessions and debates on recent policies and guidelines
- Surveys and empirical studies to review the policies
- Action research projects to identify concern or challenge in higher education

Policy, Politics and Economics of Education

Compulsory
Credit: 02
Marks:50

Learning Outcomes:

Prospective teacher educator...

- Comprehends the basic concepts of Policies, its formation and impact.
- Critically reflects and reviews the relation and impact of politics on education.
- Acquaints with the basic concept related to Economics of Education
- Critically reviews finances and cost effectiveness of education policies and budget allocations.

Unit 1: Introduction to Policy and Politics

- 1.1 Meaning of Policy, politics and Economics and their linkage with education Determinants of Educational Policy
 - Economic Provisions for education in budgets
- 1.2 Process of Policy formulation: Analysis of the existing situation, generation of policy options, evaluation of policy, making the policy decision, planning of policy implementation, policy impact assessment and subsequent policy cycles.
 - Techniques of Policy formulation: Cost Benefit Analysis, Economic Forecasting, Operations Research, Planning-Programming-Budgeting System
- 1.3 Impact of politics and pressure group on policies, Linkage between Educational Policy and National Development, Agencies involved in development of educational policies and their role in development of education
- 1.4 Criteria for Policy Evaluation
 - Methods of Policy Evaluation: Benefit-Cost Analysis, Cost-Effectiveness Analysis, and Research based Analysis,

Unit-2: Economics and Education

- 2.1 Concept of Educational Finance; Educational finance at Micro and Macro Levels

 Economic returns to Higher Education: Signalling Theory Vs Human Capital Theory
- 2.2 Rate of Returns to Education: Benefits or returns of education, indirect or external benefits, educational expenditure as investment
 - Determinants of educational costs and its estimation
- 2.3 Concept of Budgeting and allocation of budget for education
 - Cost and Cost-effectiveness: Current and capital cost, direct and indirect cost, private cost, social cost and unit cost of education;
 - Internal and external efficiency of education;
- 2.4 Overview of Policy Driven Reforms in Higher Education and its impact on Economy

Mode of Transaction: Lecture cum Discussion, Field trip, Assignment, Project

Suggested Activities:

Policy analysis and their implications on the education system and society.

- Stakeholder interviews with key stakeholders to gather insights on their perspectives, challenges, and aspirations related to education policy, politics, and economics.
- Budget analysis with sample education to identify areas of funding and potential impacts on educational institutions and programs.
- Policy proposal for specific educational issue or problem create comprehensive policy document with recommendations and justifications.
- Data analysis of education-related data, such as enrolment rates, literacy rates, or budget allocations and its relation with policy.

Compulsory Credit: 02 Marks:50

Preparation and Presentation of Theme Paper

Learning Outcomes:

Prospective teacher educator...

- Reviews, appraises and selects the theme for writing Theme Paper.
- Develops and constructs theme in conceptual framework.
- Develops technical and scientific writing skills to frame the theme paper
- Develops presentation, debate and assertive negotiations skills for theme paper presentation.

Course Content: Suggested Framework

The framework suggested here is indicative and suggestive only. The students and facilitator can prepare their own formats and select themes.

- Theme for the Theme Paper is to be selected from any area related to education and its perspective/ impact on philosophy, sociology, psychology, stakeholder, policy, society, economy, etc.
- The format for the theme paper is to be finalized based on the need of the topic.
- Visits to library, online resources and data bases, institutions can be undertaken as per the requirement of the topic for the referencing and conceptualization of theme paper.
- The student has to ensure compliance of the standards of plagiarism and research ethics.
- Submission will be in the form of theme paper duly approved by the facilitator.

Theme Paper presentation will be in the form of seminar/presentations/discussion forums etc. The researcher will be given the 20-25 minutes for the presentation and 20-25 minutes will be given for discussion and feedback.

Mode of Transaction: Face to Face, field visits to institutions, libraries etc.

- Classroom discussions on various themes related to education.
- Discussions and reflections on Methods and techniques for developing and selecting themes.
- Theme paper presentation on various themes related to education.

SEMESTER II

Semester - II

	Total papers	Hours	Credit	Internal	External	Total
Theory	4	240	16	120	280	400
Intership	1	60	2	100	0	100
Research	1	60	2	50	0	50
Total	5	360	20	270	280	550

Sr. No.	Title	Туре	Nature of Paper	Hours	Credit	Internal	External	Total
1	Management and Administration	Theory	Compulsory	60	4	30	70	100
2	Methods of Research in Education-II	Theory	Compulsory	60	4	30	70	100
3	Academic Writing	Theory	Compulsory	60	4	30	70	100
4	Educational Statistics- I / Psychological Testing	Theory	Optional	60	4	30	70	100
5	Internship MEd-I	Practical	Compulsory	60	2	100	0	100
6	Dissertation I - Research Proposal	Practical	Compulsory	60	2	50	0	50

Management and Administration

Compulsory
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Understands the basic concepts of educational management.
- Reviews and applies theories of educational management in school management.
- Identifies appropriate leadership model as per educational institute requirement.
- Gains understanding regarding various quality monitoring agencies in India.

Unit 1:Introduction of Educational Management

- 1.1 Educational Management: Meaning, Nature and Characteristics
- 1.2 Importance and Scope of Educational Management
- 1.3 Functions of Educational Management
- 1.4 Structure of Educational Management in India (with reference to Higher Education, Teacher Education, School Education)

Unit-2:Theories and Approach of Educational Management

- 2.1 Scientific Management Theory
- 2.2 Fayol's Theory of Management
- 2.3 Human Relation Approach
- 2.4 Behaviour Science Approach

Unit-3: Models of Leadership

- 3.1 Leadership: Meaning and nature, quality of good leader
- 3.2 Blake and Mouton's Managerial Grid Mode
- 3.3 Fiedler's Contingency Model
- 3.4 Tri-dimensional Model, Hersey and Blanchard's Model

Unit 4: Quality in Education

- 4.1 Total Quality Management and Six Sigma
- 4.2 Cost of Quality: Appraisal Costs, Cost Benefit Analysis
- 4.3 National Assessment and Accreditation Council (NAAC)
- 4.4 Quality Council of India (with reference to Education)

Mode of Transaction: Lecture cum Discussion, Field trip, Assignment, Project

- Visit and study of any one DEO, GCERT, etc. to understand its function
- Study of any educational institute with reference to leadership and its administrative functioning
- Designing strategy for effective management of educational institution by applying TQM or Six Sigma
- Prepare report on application of scientific theory and human relation theory in educational institution

Methods of Research in Education-II

Compulsory
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Understands characteristics of tools of research and their types.
- Understands methods of research in education.
- Develops abilities of data handling.
- Develops skill for writing a research report.

Unit 1: Tools And Techniques Of Research

- 1.1 Tools of Research: Concept and Overview of Types of tools of research Construction and Standardization of Tool: Steps, Reliability, Validity and Norms
- 1.2 Interview: Meaning, Advantages, Limitation and Types
 Rating Scale: Concept and Types Likert, Thurston & Q-Sort
 Check-List: Points to be kept in Mind while Constructing Check-list
- 1.3 Questionnaire, Schedule and Inventory: Meaning and Steps of Construction
- 1.4 Observation: Meaning, Types, Advantages and limitations

Unit 2: Methods Of Research

- 2.1 Historical Research: Meaning, Purposes, Sources and Steps
- 2.2 Descriptive Research: Meaning and characteristics
 - -Survey: Meaning and Types
 - -Interrelationship studies: Co-relational Research and Casual Comparative Research, Case Study Developmental studies: Longitudinal: Cross sectional studies.
- 2.3 Experimental Research: Meaning; Characteristics -control, manipulation, observation, replication Experimental Designs: Pre, true and quasi experimental designs Validity of experimentation: Internal and External Validity, Factors affecting validity
- Qualitative Research: Meaning and PurposeEthnographical, Phenomenological and Grounded Theory Research: Concept

Unit 3: Data Handling

- 3.1 Scales of Measurement: Meaning; Types –nominal, ordinal, interval, ratio,
- 3.2 Meaning of treatment of data, editing coding classification tabulation
- 3.3 Descriptive Statistics: Concept and types- Measures of central tendency, Variability and graphical presentations
- 3.4 Inferential Statistics: Parametric and Non-Parametric Test: Introduction and Conditions (No Computations),
 - Level of Significance: Concept, Type 1 Error, Type 2 Error, One-tailed and two-tailed test, Computation of t-test (independent sample), chi-square & Pearson Correlation-r

Curriculum Framework Master of Education (2-Year) 2023

Unit 4: Writing Research Report

- 4.1 Research Report: meaning and types (thesis, dissertation, journal article, paper)
 Parts of Research: Preliminary, content and supplementary
- 4.2 Format, style, typing, quotations, footnotes, Referencing (APA Latest Edition), pagination, tables, figures, graphs, plates
- 4.3 Criteria for evaluating research report
- 4.4 Ethics and Plagiarism in research

Mode of Transaction: Lecture cum Discussion, Field trip, Assignment, Project

- Classroom discussions on various topics related to research in education
- Panel discussion/debate/seminar presentation on various topics related to research in education

Academic Writing

Compulsory
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Understands the concept of different types of writing and writing style
- Critically comments on the reports- project report, institutional report, minutes of staff meeting
- Comprehends the academics in the form of books, films and talks by academicians
- Appraises, reviews and debate on the academic readings and presentations.

Unit 1: Curriculum Planning

- 1.1 Concept and importance of Academic Writing
- 1.2 Differences between academic and non-academic writing.
- 1.3 Characteristics of Academic Writing
- 1.4 Overview of academic genres: essays, research papers, literature reviews, etc.

Unit 2: Curriculum Evaluation and Transaction

- 2.1 Meaning and Concept of Expository, Narrative, Descriptive, Argumentative and Persuasive Writings
- 2.2 Development of writing of Expository, Narrative, Descriptive, Argumentative and Persuasive paragraphs
- 2.3 Concept of Research paper and review paper and the difference between two
- 2.4 Writings of project reports, field visit, minutes of staff meetings, abstracts, paraphrasing and summarizing

Unit 3: Research in Curriculum

- 3.1 Review of select TED Talks
- 3.2 Review of select speeches of Swami Vivekananda, Rabindranath Tagore, A.P.J. Abdul Kalam, Dr. C. N. R. Rao
- 3.3 Review of two select contemporary award winning feature films and implications for education system and society.
- 3.4 Writing of review of related literature from various primary and secondary sources.

Unit 4: Trends in Curriculum

- 4.1 NEP 2020 critique on recommendations related to higher education and research.
- 4.2 National Curriculum Frameworks for Foundational Stage (2022) and National Curriculum Frameworks for School Education (2023) w.r.t changes in structure and curriculum.
- 4.3 Critique on Integrated Teacher Education Programme (ITEP) w.r.t. pre- service teacher education programs
- 4.4 Critical Analysis of UGC guidelines on Post Graduate and Research Degrees

Mode of Transaction: Face to Face, Seminar, Lecture cum Discussion, Assignment, Project

- Short writing tasks to practice specific skills and concepts covered in each Units.
- Classroom discussion on various task, watching films and TED Talks
- Films viewing and reviews
- Debates/Panel Discussions/seminars for critical analysis

Educational Statistics-I

Optional Credit: 04 Marks:100

Learning Outcomes:

Prospective teacher educator...

- Learns the various statistical method used in analysis of data.
- Understands the basic concepts of educational statistics.
- Develops the ability to select proper statistics with various data.
- Develops the ability to evaluate critically the result of analysis of data.

Unit 1: Meaning of Educational Statistics

- 1.1 Meaning of statistics and statistics in Education
- 1.2 Scales of Measurement
- 1.3 Tabulation of data
- 1.4 Graphical forms of presentation and their uses in educational research

Unit 2: Descriptive statistics

- 2.1 Frequency distribution, measures of central tendency and variability, their calculation and use
- 2.2 Normal distribution- normal probability curve, properties and applications
- 2.3 Scaling of test items
- 2.4 Scaling of judgments

Unit 3: Correlation and Regression

- 3.1 Coefficient of correlation-Linear Biserial, Point Biserial, tetra choric, phi, contingency, product-moment
- 3.2 Rank Difference, Partial and Multiple Correlation
- 3.3 Regression and Prediction; Linear regression, regression line in prediction
- 3.4 Regression equations and accuracy of prediction

Unit 4: Reliability and Validity of Test

- 4.1 Item analysis
- 4.2 Reliability: Meaning, Methods, Calculations of split half, length of test and reliability methods of rational equivalent.
- 4.3 Validity: Meaning, Methods, Calculations, length of test of validity.
- 4.4 Process of Standardization of Test

Mode of Transaction: Face to Face, Lecture cum Discussion, Assignment, Project

- Classroom discussions on various topics related to educational statistics.
- Projects and data analysis for any given data.

Psychological Testing

Optional Credit: 04 Marks:100

Learning Outcomes:

Prospective teacher educator...

- Develops an understanding of nature of psychological measurement and its underlying principles.
- Acquaints with techniques of psychological measurement.
- Develops skills in testing select psychological constructs.
- Develops ability to administer, score, interpret and report psychological tests.

Unit 1: Psychological Measurement and Testing

- 1.1 Psychological Measurement: Meaning, Nature and Scope, Psychological and physical measurement: Difference
- 1.2 Need of psychological measurement in Educational Practices
- 1.3 Psychological testing: Meaning, nature and Characteristics of Psychological testing
- 1.4 Scope and Use of psychological test in educational practices

Unit 2: Techniques of Psychological Measurement: Meaning, Steps, importance, merits and limitations

- 2.1 Testing Techniques: Teacher-made tests
- 2.2 Testing Techniques: Standardized Psychological Tests
- 2.3 Non Testing Techniques: Rating Scale, Questionnaires, Interview, Inventories
- 2.4 Non Testing Techniques: Personal Records, Sociometric and Projective techniques

Unit 3: Testing of Psychological Constructs: Concept, need and available Standardized Tools

- 3.1 Intelligence Test
 - Aptitude Test
 - Achievement Test
- 3.2 Attitude Scale: Thurston and Likert
- 3.3 Interest Inventory
 - Personality Inventory
- 3.4 Criteria for Ideal Tool selection

Unit 4: Administration, Scoring, Interpretation and Reporting of Psychological Tests

- 4.1 Administration: Steps and precautions to be taken during administration of psychological tests
- 4.2 Scoring: Scoring of psychological test with reference to available standardized tests and analysis of test results
- 4.3 Interpretation: Interpreting test result for stakeholders (students, parents and authorities)
- 4.4 Reporting of test: Preparing Psychological Test Report and Reporting the test results to students, teachers and parents.

Mode of Transaction: Group discussion, Lecture-cum –discussion, Panel discussion, Symposium, Reports, Research Journals, School visits and sharing of experiences

- Reviewing of any Psychological Test
- Reviewing the test items for Thurston and Likert Scale

Internship MEd-I

Compulsory
Credit: 02
Marks:50

Learning Outcomes:

Prospective teacher educator...

- develops skills of doing research on psychological attribute, social research and status surveys.
- develops skills of guiding and supervising microteaching lessons/ simulation lessons/practice teaching lessons of B.Ed. trainees.
- develops an understanding of role, functions and process various agencies related with teacher education.
- develops and understanding of the role of technology in content development and research.
- develops an understanding of social roles of teachers as volunteers.
- develops skills of effectively presenting the work done.

Activities:

- Implementation of a Psychological Test/Status Survey/Social Research
- Guidance, checking and supervision of Microteaching Lessons/ Simulation lessons/ practice teaching lessons of student teachers
- Visit to an agency of curriculum development/text book bureau/DIET/ GCERT/ Teacher Education Institution
- Visit to Secondary Teacher Training Institute, GCERT /INFLIBNET/ GIET / an institute of special education/NGO and contribute as a teacher/volunteer
- Presentation of submissions

Internal Assessment:

- Report of a Psychological Test/Status Survey/Social Research 20 Marks
- Report of checking and supervision of Microteaching Lessons/ Simulation lessons/ practice teaching lessons of student teachers- 20 Marks
- Report of visit to an agency of curriculum development/text book bureau/DIET/ GCERT/ Teacher Education Institution- 20 Marks
- Report of visit to Secondary Teacher Training Institute, GCERT /INFLIBNET/ GIET / an institute of special education/NGO and contribute as a teacher/volunteer- 20 Marks
- Presentation of submissions- 20 marks

Dissertation I - Research Proposal

Compulsory
Credit: 02
Marks:50

Learning Outcomes:

Prospective teacher educator...

- Develops skills of literature review and conceptual framework.
- Comprehends and reviews the literature to frame a research problem.
- Analyses and synthesizes the information to write a research proposal.
- Presents and defends the research proposal.
- Critically reflects, analyses, evaluates, argues and negotiates during presentation of the proposal.

Details and Submissions

- Research Reviews (at least 10) and review of related literature.
- Preparation of Research Proposal and submission.
- Presentation of Research Proposal and approval.

Suggested Framework for developing Research Proposal

- Introduction
- Title of research and statement of the problem
- Review of related literature, conceptual framework
- Rationale and need for the study
- Objectives of Research
- Hypothesis and or Research questions
- Variables of Research
- Operational and conceptual definitions and or explanation of terms
- Scope, limitations and delimitations of Research
- Area of Research
- Type of Research
- Method of Research
- Population, sample and sampling technique
- Tool of Research
- Intervention Program (in case of experimental research)
- Data Collection
- Technique of data analysis
- Chapterization
- Time frame and Budget
- References

(The framework can be changed or modified depending upon the type and need of research problem) Research proposal presentation will be in the form of seminar/presentations/discussion forums etc. The researcher will be given the 20-25 minutes for the presentation and 20-25 minutes will be given for discussion and feedback.

Mode of Transaction: Face to face, seminar, discussion, field visit to library, institutes etc. **Suggested Activities:**

- Classroom discussions on various topics related to research in education.
- Readings for reviews and conceptual framework and visits to libraries and institutes for the same.

SEMESTER III

Semester - III

	Total papers	Hours	Credit	Internal	External	Total
Theory	4	240	16	120	280	400
Intership	1	60	2	100	0	100
Research	1	60	2	50	0	50
Total	6	360	20	270	280	550

Sr. No.	Title	Туре	Nature of Paper	Hours	Credit	Internal	External	Total
1	Inclusion: Concept and Policy Framework	Theory	Compulsory	60	4	30	70	100
2	Technology in Education	Theory	Compulsory	60	4	30	70	100
3	Measurement and Evaluation	Theory	Compulsory	60	4	30	70	100
4	Guidance & Counselling Services/ Educational Statistics-II	Theory	Optional	60	4	30	70	100
5	Internship MEd-II	Practical	Compulsory	60	2	100	0	100
6	Dissertation II - Tool Development	Practical	Compulsory	60	2	50	0	50

Inclusion: Concept and Policy Framework

Compulsory
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Understands the concept and diversities in inclusive education.
- Analyses the classification and differentiates among various types of disabilities
- Develops barrier free environment for persons with disabilities in inclusive classroom
- Reviews and reflects on constitutional provisions and legal frameworks for facilitating inclusive education.

Unit 1: Understanding the diversities in inclusion

- 1.1 Understanding the Diversities in Inclusive Classroom
- 1.2 Understanding the journey from Exclusion to Inclusive : Meaning, concept, definitions
- 1.3 Principles of Inclusive Education: Access, Equity, Relevance, Participation & Empowerment
- 1.4 Models of Inclusive Education (Resource room, Pull & Push Model, Circle of Inclusion, Eternity Teacher Model)

Unit 2: Introduction to Classification and Types of Disabilities

- 2.1 Classification of disability: International Classification of Impairments, Disabilities and Handicaps (ICIDH) and International Classification of Functioning, Disability and Health (ICF)
- 2.2 Introduction to Neuro-Developmental Disabilities: Specific Learning Disabilities (SLD), Intellectual Disabilities (ID), Autism Spectrum Disorder (ASD)
- 2.3 Introduction to Sensory Disabilities: Hearing Impairment (HI), Visual Impairment (VI), Deafblind
- 2.4 Introduction to Disabilities according to RPWD-2016

Unit 3: Building Inclusive Classroom

- 3.1 Barriers to inclusive education and their solutions.
- 3.2 Adaptation, accommodation and Modification for creating learning environment.
- 3.3 ICT base Instructional Approaches: Assistive and Adaptive Technologies.
- 3.4 Instructional Approaches for diverse learners: Peer tutoring, Cooperative learning, Team teaching and Universal Design for Learning (UDL).

Unit 4: Policies, Provisions and Acts for Inclusive Education

- 4.1 Constitutional provisions in India:
 - Acts: Right to Education Act (2009), Right to Persons with Disability Act (2016), National Trust Act (1999)
 - Policy: National Policy on Education of Students with Disabilities (2006) and National Education Policy (2020),
- 4.2 International Perspective: Salamanca Statement (Framework for Action) 1994, United Nations Convention on the Rights of Persons with Disabilities (UNCRPD)- 2006
- 4.3 Concessions and Provisions for Persons with Disabilities (PwDs)

4.4 Role different stakeholders in rehabilitation of PwDs including National Institutes (NIs) and Non-Government Organisations (NGOs)

Mode of Transaction: Lecture cum Discussion, Field trip, Project, Case studies, Assignment, Practical work, Debates, and Self-study

- Group discussions following videos and visits.
- Debate for Inclusion vs. Segregation & Self-study for legislations and frameworks
- Visit to different setups like special school, integration, inclusion and mainstream school.
- Dramas including role plays etc.

Technology in Education

Compulsory
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Comprehends the basic concepts of educational technology.
- Develops a new perspective on technology use in education
- Critically assesses the pedagogical perspective of educational technology.
- Reflects on implications of educational pedagogy and need for professional development of teachers.

Unit 1: Introduction to Technology in Education

- 1.1 Concept of educational technology and its Historical evolution
- 1.2 Concept and difference: Technology of Education and Technology in Education
- 1.3 Current Trends of Technology Use: Learning Analytics. Virtual and augmented reality, Gamification, Artificial intelligence. Internet of Things (IoT), Cloud Computing, Digital and open Badge
- 1.4 Digital literacy: Concept, Need and types,Debate on Teaching with technology and teaching for effective use of technology

Unit 2: Perspectives of Technology Use in Education

- 2.1 Social Perspective: Citizenship for digital society, technology skills for 21st century, impact of technology on society
- 2.2 Ethical Perspective: Code of ethics, judicious and safe use, Health Perspective: Impact on physiology (eyes, hands, wrist, neck etc.) and psychology (stress, anxiety, depression etc.)
- 2.3 Legal Perspective: Intellectual property and copyright in digital world, plagiarism, open source and open content
- 2.4 Policy Perspective: Educational technology in National Policy on Education 1986 & National Education Policy 2020 and relevant guidelines

Unit 3: Pedagogical Perspective and Applications of Technology

- 3.1 Strategies for integration of educational technology: Substitution, augmentation, modification, redefinition (SAMR Model)
 - Pedagogical Approaches for effective use of technology: Online, Blended & Flipped Learning
- 3.2 -Strategies for Assessment and feedback mechanism in digital environments
 - -Agencies: National Testing Agency (NTA), Performance, Assessment, Review, and Analysis of Knowledge for Holistic Development (PARAKH)
- 3.3 Infrastructure for digital content creation, digital repository and dissemination: Role and outreach Digital Repository: NROER, DIKSHA, SWAYAM and SWAYAMPRABHA
- 3.4 Challenges and barriers to technology adoption: Equity, equality and access Miniaturization of educational technology and its impact

Unit 4: Implications and Professional Development

- 4.1 Implications of behaviourism, cognitivism and constructivism for technology mediated learning
- 4.2 Implications of socio-cultural theories (Collaborative and situated learning) for technology mediated learning.
- 4.3 Professional Development of Teachers : Skills for Teacher in digital age and managing the classrooms, Training of teachers for use of technology in Education
- 4.4 Significance of Research for Technology in Education: Monitoring & Evaluation, Impact and Effectiveness studies in areas related to technology in Education

Mode of Transaction: Face to Face, Seminar, Lecture cum Discussion, Assignment, Project

Suggested Activities: Classroom discussions on various topics related to technology in education

Measurement and Evaluation

Compulsory
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Comprehends and reviews the process and theories of measurement and evaluation.
- Develops proficiency in construction of taxonomy based Norms Referenced and Criterion referenced Tests
- Identifies, compares and contrasts tools of measurement.
- Understands standardized tests and comprehends the process of standardization of tests.

Unit 1: Process & Theories of Measurement and Evaluation

- 1.1 Concept and need of evaluation, Inter relationship between measurement and evaluation
- 1.2 Functions of evaluation & basic principles of evaluation
- 1.3 Classical Test Theory(CTT): Concept, Characteristics and Importance Item Response Theory (IRT): Concept, Characteristics and Importance
- 1.4 True scores and Errors of Measurement, Marks and Grades

Unit 2: Taxonomy of Objectives and Construction of Tests

- 2.1 Taxonomy of educational objectives: Cognitive Domain Affective domain, Psychomotor domain
- 2.2 Concepts of Norms Referenced and Criterion referenced Test Difference between NRT and CRT
- 2.3 Steps for constructions of Criterion-Referenced Test: Instructional intent specifying the domain, item development, item review and test development.
- 2.4 Types of tests: Achievement Test, Diagnostic Test, Domain-Referenced Test

Unit 3: Tools of Measurement and Evaluation

- 3.1 Subjective tools of Evaluation
- 3.2 Objective tools of Evaluation
- 3.3 Supply type questions: Simple question, completion question, short answer question, long answer question/essay questions (Characteristics, merits, limitations and improvement of each type).
- 3.4 Selection type question: constant alternative, multiple choice, matching, Re-arrangement. (Characteristics, merits, limitations and improvement of selection type item).

Unit 4: Process of Standardizing a Test

- 4.1 Standardized Test: Nature and use of standardized test Criteria for selecting a good standardized test: planning, reliability, validity, objectivity, Discriminating power, Adequacy, Usability and Comparability
- 4.2 Reliability: Concepts and types of reliability.
- 4.3 Validity: Concept and types of validity.
- 4.4 Standard Scores and Norms: Z-score, t-score, stanine, Letter Grade, Percentile Rank.

Mode of Transaction: Lecture cum Discussion, Field trip, Assignment, Project

- Classroom discussions on various topics related to educational statistics.
- Projects and data analysis for any given data.

Guidance & Counselling Services

Optional Credit: 04 Marks:100

Learning Outcomes:

Prospective teacher educator...

- Understands the counselling process& Group guidance programme.
- Understands the organization of a Guidance programme.
- Understands the Testing in Guidance Service.
- Understands the Human adjustments and mental health & hygiene.

Unit 1: Guidance and Counselling: Concept, Approaches, Steps, Types

- 1.1 Guidance and Counselling: Concept, Characteristics and principles
- 1.2 Counselling approaches-directive, non-directive, Group counselling vs. Individual counselling, Counselling for adjustments
- 1.3 Concept, Importance & Steps of group guidance
- 1.4 Steps and techniques of Group guidance

Unit 2: Intelligence and Personality

- 2.1 Principles of Organization
- 2.2 Characteristics of well-organized guidance
- 2.3 Counselling service and Individual inventory service- Testing services
- 2.4 Information service, Orientation service, Remedial service, Placement service and follow up service

Unit 3: Aptitude, Interest, Thinking, Reasoning

- 3.1 Principles of use of test in guidance and counselling
- 3.2 Selection of Test, Type of Test, Ethics for Test,
- 3.3 Test of intelligence, aptitude, creativity, interest and personality
- 3.4 Administering, scoring and interpretation of test scores
- 3.5 Use of Test results in counselling process and Limitation of Test

Unit 4: Guidance and Counselling

- 4.1 Definition and meaning of adjustment, Characteristics of adjustment, Characteristics of well-Adjusted person, Characteristics of mal-adjusted person, Motivation and Adjustment, Perception and Adjustment
- 4.2 Definition and Meaning of Mental Hygiene. Objectives of Mental Hygiene
- 4.3 Approaches of counselling: cognitive-behavioural (Albert Ellis, REBT) and humanistic, person-centred counselling
- 4.4 Person-centred counselling (Carl Rogers), Theory of counselling- behaviouristic Theory, Reality Theory, and Rational emotive Theory

Mode of Transaction: Group discussion, Lecture-cum –discussion, Panel discussion, Symposium, Reports, Research Journals, School visits and sharing of experiences

- To arrange seminar, career conference & career days.
- To provide Guidance and counselling of Students.
- To visit work places and related institutes.
- To visit institutes of who providing Guidance and Counselling.
- To collect information or paper cutting about career development of students.
- To administrate any five psychological tools and its analysis for guidance and counseling.
- To provide Guidance and counseling of Students.

Educational Statistics-II

Optional
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Comprehends, measures and tests hypothesis and related measures of variability.
- Develops skills for analyzing and computing non-parametric tests.
- Develops skills for analyzing and computing analysis of variance and related measures.
- Develops skills for analyzing and computing different types of multivariate analysis.

Unit 1: Testing Hypothesis

- 1.1 Hypothesis of chance: null hypothesis
- 1.2 Meaning of statistical inference, significance of mean, median, measures of variability, of percentages, of coefficient of correlation
- 1.3 Significance of the difference between means and other statistics
- 1.4 Principals of sampling and the use of standard error formulas

Unit 2: Non Parametric Tests

- 2.1 Chi square Test, Sign Test, Median Test
- 2.2 Mann-Whitney U-Test
- 2.3 Kolmogorov-Smirnov Test
- 2.4 Kruskal Walis Testing, Candall Tests

Unit 3: Analysis of Variance

- 3.1 Analysis of Variance: Concept and Assumptions
- 3.2 Homogeneity test of Variance
- 3.3 Computation One way, Two way and factorial design
- 3.4 Analysis of covariance

Unit 4: Multivariate Analysis

- 4.1 Factor Analysis
- 4.2 Discriminant Analysis
- 4.3 Cluster Analysis
- 4.4 Meta-Analysis

Mode of Transaction: Face to Face, Lecture cum Discussion, Assignment, Project

- Classroom discussions on various topics related to educational statistics.
- Projects and data analysis for any given data.

Internship MEd-II

Compulsory
Credit: 02
Marks:50

Learning Outcomes:

Prospective teacher educator...

- develops skills of imparting lessons to Student Teacher.
- develops skills of observing peer lessons.
- develops an understanding of planning various curricular, co-curricular activities.
- develops and understanding of the role of institutional head and functioning of institution.
- develops skills of reflection and writing reflective diary.
- develops skills of effectively presenting the work done.

Activities:

- Six Lessons in Teacher Education Institution
- Six Observation of Lessons
- Planning of curricular and co-curricular activities, Time Table/unit planning guidance
- Interview of Head/ Institutional Analysis
- Reflective Diary
- Presentation of submissions

Internal Assessment:

- Six Lesson execution in Teacher Education Institution- 20 marks
- Observation of six Lessons of faculty members 10 marks
- Planning of curricular and co-curricular activities, Time Table/unit planning guidance- 10 marks
- Interview of Head/ Institutional Analysis-20 Marks
- Reflective Diary- 20 Marks
- Presentation of submissions- 20 Mark

Dissertation II - Tool Development

Compulsory
Credit: 02
Marks:50

Learning Outcomes:

Prospective teacher educator...

- Develops skills of writing the introductory and conceptual framework for research report.
- Reviews, reflects and synthesizes the facts and data for constructing the tool for research.
- Develops and validates the research tool.
- Presents and defends the progress in research work.

Details and Submissions

- Development and validation of tool
- Submission of Chapter 1, 2 and 3
- Presentation of work done

Suggested Framework for developing Research Proposal

- Introduction
- Title of research and statement of the problem
- Review of related literature, conceptual framework
- Rationale and need for the study
- Objectives of Research
- Hypothesis and or Research questions
- Variables of Research
- Operational and conceptual definitions and or explanation of terms
- Scope, limitations and delimitations of Research
- Area of Research
- Type of Research
- Method of Research
- Population, sample and sampling technique
- Tool of Research
- Intervention Program (in case of experimental research)
- Data Collection
- Technique of data analysis
- Chapterization
- Time frame and Budget
- References

(The framework can be changed or modified depending upon the type and need of research problem) Research proposal presentation will be in the form of seminar/presentations/discussion forums etc. The researcher will be given the 20-25 minutes for the presentation and 20-25 minutes will be given for discussion and feedback.

Mode of Transaction: Face to face, seminar, discussion, field visit to library, institutes etc.

- Classroom discussions on various topics related to research in education and tool development.
- Discussions on process of tool developments and standardized tools available.
- Meeting and field visits with various experts/institutions/libraries etc.
- Presentation and critique of the standardized tools and developed tools for research.

SEMESTER IV

Semester - IV

	Total papers	Hours	Credit	Internal	External	Total
Theory	4	240	16	120	280	400
Research	1	120	4	30	70	100
Total	5	360	20	150	350	500

Sr. No.	Title	Туре	Nature of Paper	Hours	Credit	Internal	External	Total
1	Curriculum Planning, Evaluation and Research	Theory	Compulsory	60	4	30	70	100
2	Indian Knowledge System	Theory	Compulsory	60	4	30	70	100
3	Teacher Education	Theory	Compulsory	60	4	30	70	100
4	Environment Education/ Value Education	Theory	Optional	60	4	30	70	100
5	Dissertation III- Report Submission	Practical	Compulsory	120	4	30	70	100

Compulsory Credit: 04 Marks:100

Curriculum Planning, Evaluation and Research

Learning Outcomes:

Prospective teacher educator...

- Understands concepts and levels of curriculum planning
- Comprehends various models of curriculum design and evaluation.
- Promotes critical inquiry in curriculum studies.
- Critically comments on various issues of curriculum development

Unit 1: Introduction to Academic Writing

- 1.1 Curriculum Planning: Meaning and Principles
- 1.2 Levels of Curriculum Planning
- 1.3 Curriculum Planning Framework
- 1.4 Stakeholders involvement in Curriculum Planning

Unit 2: Types of Writing and writing Styles

- 2.1 Curriculum Evaluation: Meaning, Purpose and stakeholders
- 2.2 Approaches to curriculum evaluation: Scientific & Humanistic, Formative & Summative,
- 2.3 Models of Curriculum Evaluation: Ralph Tyler: Curriculum Evaluation Model, Robert Stake: Congruence Contingency Model, Stufflebeam: CIPP Model
- 2.4 Concept of Curriculum Transaction and its role in instructional designing

Unit 3: Critique and Review

- 3.1 Scope and Areas of Research in Curriculum development, planning and evaluation
- 3.2 Critical Studies in Curriculum and Pedagogy w.r.t Cross-Cultural and Comparative Perspectives in teacher development, Social Justice, Cultural Linguistic difference
- 3.3 Relevance, Flexibility, Quality, Contextually and Plurality in curriculum
- 3.4 Influence of Education Policies, National curriculum frameworks etc. in research for school education, higher education and programme evaluation

Unit 4: Title: Critical Analysis of Policies and Programs

- 4.1 Role of NCERT, NCTE and UGC in curriculum development and policy documents after NEP 2020.
- 4.2 Major recommendations of NEP 2020 for curriculum and pedagogy of teacher education and school education and challenges in implementing the recommendations
- 4.3 Major recommendations of National Curriculum Framework for School Education- 2023 and National Curriculum for Foundation Stage 2022 for curriculum and pedagogy and challenges in implementing the recommendations
- 4.4 Concept of Academic Bank of Credit, Choice Based Credit system, Curricular components at undergraduate level(Disciplinary/interdisciplinary major and minor, ability enhancement courses, skills enhancement courses, summer internships, research projects)

Mode of Transaction: Lecture cum Discussion, Field trip, Assignment, Project

- Analysing school curriculum with reference to NEP 2020
- Design draft curriculum by adopting any model or approach of curriculum
- Visit to NCERT, GCERT to understand process of curriculum development
- Critical study of teacher education curriculum with reference to NCFTE 2009

Indian Knowledge System

Compulsory
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Identifies Indian concept and purpose of education.
- Reviews and Reflects on Process of knowledge acquisition and construction in Indian perspectives.
- Appreciates the methodology of Indian Knowledge system.
- Recognises and adopts traditional practices and applications in contextual perspective.

Unit 1: Indian Education and its Purpose

- 1.1 Concept of culture, tradition and dharma, role of education in preservation of culture
- 1.2 Sources of Knowledge; family and vansha as carriers of knowledge, tradition and Dharma
- 1.3 Types and Purpose of Knowledge
- 1.4 Concept of Para & Apara Vidya, Gyan & Agyan, Rita & Dharma

Unit-2: Indian perspectives on Process of Knowledge

- 2.1 Component of Knowledge Process and Approaches to acquiring Knowledge
- 2.2 Process of Knowing & Process of Construction of Knowledge
- 2.3 The role of Guru, Knower and Known in Construction and Transmission of Knowledge
- 2.4 Factors involved in construction of Knowledge

Unit-3: Methodology of Indian Knowledge System

- 3.1 Systematization of knowledge fields as Sastra
- 3.2 Means of Valid Knowledge (Pramana), Perception (Pratyaksha), Inference (Anumana) and Textual Tradition (Agama)
- 3.3 Importance of Pratyaksha and Agama in relation to Anumana
- 3.4 Knowing and Knowledge: The Indian Way

Unit 4: Traditional Practices, Applications and Relevance

- 4.1 Overview of 14 Vidya and 64 Kalas in Indian Perspectives
- 42. Concept of myths, rituals, taboos, belief systems, folk tales & songs, proverbs abd traditional narratives with examples and relevance
- 4.3 Concept of Tangible and Intangible cultural heritage and relevance of their preservation, Examples of UNESCO Tangible and Intangible cultural heritage in Gujarat
- 4.4 Indigenous practices for land, water and soil conservation and management with examples.

Mode of Transaction: Lecture cum Discussion, Field trip, Assignment, Project

- Visit to local library or museum with collections of Indian art, literature, philosophy.
- Heritage walks and studies on tangible and intangible UNESCO sites.
- Sensitization, awareness camps and documentations for IKS.
- Translations from ancient texts and researches based on the knowledge in ancient texts.
- Documentation/infographics of traditional arts and practices with chronology of transfer of knowledge through family and vansha.

Teacher Education

Compulsory
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Comprehends basic concepts of Teacher Education.
- Identifies and appraises the policies and organisations guiding Teacher Education.
- Critically analyses and reflects on Teacher Education Program and their significance.
- Reviews and examines research areas, innovations and issues in Teacher Education

Unit-1: Introduction to Teacher Education

- 1.1 Meaning Purpose and Objectives of Teacher Education w.r.t Pre-service Teacher Education Programs for various stages.
- 1.2 Types of Teacher Education and its need: Pre-Service and In Service
- 1.3 Organization of Components of Pre-service Teacher Education: Transactional Approaches, Expository, Collaborative and Experiential learning
- 1.4 Knowledge base of Teacher Education from the view point of Schulman, Deng and Luke & Habermas

Unit-2: Policies & Organisations guiding Teacher Education

- 2.1 Policy Perspectives of Teacher Education and recommendation: NEP 1986, NEP 2020
- 2.2 National Curriculum Framework for Teacher Education (2009) and subsequent guidelines after NEP 2020
- 2.3 Objectives, function and Impact of:
 - Statutory Bodies in Teacher Education: NCTE, RCI
 - Agencies of Teacher Education: NCERT, SCERT, DIETs
- 2.4 Objectives, function and Impact of:
 - Institutes for Teacher Education: IUCTE, IASE, CASE, IITE, RIEs

Unit-3: Critique on Teacher Education Programs

- 3.1 Overview of In-service Teacher Education Programs offered by NCTE at Various Stages and reforms in Teacher Education in light of NEP 2020
- 3.2 Need and Importance of stage specific Teacher Education at Foundational, Preparatory, Middle and Secondary Stage
- 3.3 Integrated Teacher Education Programme ITEP: Critical review of the curriculum framework, impact and challenges for Teacher Education Institutes and other organisations
- 3.4 Personal and Professional Development of Teachers w.r.t Teaching as a Profession, Professional Ethics and Continuous Professional Development,
 - Challenges for framing and implementing policy guidelines on National Professional Standards for Teachers and National Mentoring Mission

Unit-4: Research, Innovations, and Issues in Teacher Education

4.1 Research Trends and Innovations in Teacher Education

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- 4.2 Best Practices in Teacher Education along with Futuristic Trends in Teacher Education
- 4.3 Issues and Challenges in Teacher Education
- 4.4 Maintaining Standards in Teacher Education: Admission Policies for Teacher Education Programs and Recruitment Policies for Teachers at school level and Teacher Educators at Tertiary Level.

Mode of Transaction: Lecture cum Discussion, Field trip, Assignment, Project

- Observing and simulating classroom lesson: for developing skills and receiving feedback from peers.
- Documentary Study: Historical Overview of critical Policy reforms in Teacher Education and its impact on society.
- Research on comparative study for various teacher education programs at National and International Level.
- Status surveys for the implementation of recommendations of NEP 2020 and changes it has bought.
- Surveys and empirical research using primary or secondary data on issues and challenges/innovative trends/curriculum/service conditions/professional development etc.

Environment Education

Optional Credit: 04 Marks:100

Learning Outcomes:

Prospective teacher educator...

- Sensitizes self towards the basic concepts associated with environment education.
- Recognises the need for management and conservation of natural resources.
- Reviews and appraises policies and practices for safe lifestyle and sustainability.
- Appreciates the role of environmental management systems and adopts mission life.

Unit 1: Environmental Education and Environment Awareness

- 1.1 Environmental Education: Concept, Components, Types
 Importance and multidisciplinary nature of environmental studies
- 1.2 Human Environment Relationship, Significance of Environment for life & sustainability, Anthropogenic activities and their impacts on environment
- 1.3 Ecosystem: Concept, Components and Major Ecosystems; Ecosystem and Human Intervention; Ecological Succession and its types
- 1.4 Biodiversity: Concept, Importance and HotspotsValues in Biodiversity: Aesthetic, Cultural, religious and ethical valuesThreats and conservation of biodiversity

Unit-2: Education for Management and Conservation of resources

- 2.1 Schemes and Institutions involved in foundational and preparatory stage in education 2.1 Natural Resources: Types (Renewable and non-renewable) and their management
- 2.2 Consequences of Mismanagement

Water: Degradation of Water Resources and overexploitation of ground water, Floods & Droughts;

Land: Land Degradation and Overgrazing;

Air: Health Degradation, Climate Change, Eutrophication

2.3 Consequences of Mismanagement:

Forest: Deforestation and effect on Tribal Population, Impact of mining and Dam building on environment, forest and biodiversity

Energy: Energy Demand Vs. Population growth; Energy demands for industrialisation and impact in environment;

2.4 Initiatives for Conserving Natural Resources: Land, water, forest and energy, Concept of Waste Management and waste minimisation

Unit-3: Environment Policies, Practices and Development

3.1 Millennium development and Sustainable development goals.

Indicators for Environmental sustainable assessment: Environmental sustainability
Index and Environmental Performance Index

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- 3.2 Indian Constitution and Environmental Protection: Environmental Protection Act (1986), National Action Plan on Climate Change, The Biological Diversity Act, 2002
- 3.3 International Efforts : Montreal Protocol, Rio Summit, Convention on Biodiversity, Kyoto Protocol, Paris Agreement, International Solar Alliance
- 3.4 Concept and scope of environmental economics

Approach towards Developing Environmental Policy: command-and-control approach, market-based approach, environmental information disclosures, and voluntary measures.

Relation between Economic Growth and Environment

Unit 4: Environmental Management Systems and Mission Life

- 4.1 Concept of Global Commons and methods to protect global commons Concept of Environment Labels and its types
- 4.2 Concept of Environment Audit and its process, agencies involved in audit
- 4.3 Concept of Environment Management Systems and their role EMS Standards and Certification: ISO 14000 by International Standards Organization (ISO) and British Standards (BS) 7750, European Union's Eco Management and Audit Scheme (EMAS)
- 4.4 Mission Life: Vision and approach towards sustainability
 Methods for Sustainable solutions and Types of green technologies
 Strategies for Improvising classroom teaching towards sustainability

Mode of Transaction: Lecture Method, Discussion, Project Work, visits

- Case studies on conservation of natural resources with visits and action research to identify and develop new case studies.
- Visits to ecosystems and biodiversity parks to study means of conserving ecosystems and documentation of biodiversity.
- Awareness campaigns and drives for conservation
- Audits on environment and energy and initiate student drives for environment audits of nearby places.
- Discussion and debates on Policies, practices that effect economics of environment.

Value Education

Optional Credit: 04 Marks:100

Learning Outcomes:

Prospective teacher educator...

- Develops the theoretical understanding of values.
- Familiarizes with the theories and models of value development.
- Reflects on approaches and methods for of value education.
- Appreciates and adopts values for national development.

Unit 1: Concept of Value and Value Education

- 1.1 Meaning, definition, nature and characteristics of Values
- 1.2 Classification of values: Personal, , moral, social, family, ethical, spiritual, cultural, constitutional, universal values; Extrinsic and intrinsic values; Hierarchy of values
- 1.3 Value Education: Meaning, objectives and need; Philosophical and Sociological Basis of Value Education
- 1.4 Ethics and Values in Indian context

Unit-2: Theories, Models of Value Development

- 2.1 Theories of Value Development: Social learning theory, Psychoanalytic theory and Cognitive Development Theory.
- 2.2 Process of Value Development: Knowledge, Perception and Actualization
- 2.3 Models of Value Development: Value Analysis model, Value discussion model, Value clarification model, rational building model, Role playing model.
- 2.4 Value Crisis and Value Conflict; Role of Family, Peer Group, Mass Media and Technology

Unit-3: Approaches and Methods of Value Education

- 3.1 Curricular Approaches to Value Education: Direct approach of teaching of values as a subject, Indirect and Integrated approach of teaching values through curricular subjects
- 3.2 Co-curricular Approaches to Value Education: Morning Assembly, Extramural Talks, Celebrations, Game and sports, Dance, Drama and songs, NCC and NSS.
- 3.3 Evaluation of values: Need for evaluating values, Methods of Evaluation of values- Value Tests, Value Perception Scale, Observation and anecdotes.
- 3.4 Teachers as a Role model for Value Development.

Unit 4: Value Education and National Development

- 4.1 Constitutional values reflected in the Preamble of the Constitution of India: Liberty, Integrity, Unity, Equality, Fraternity, Sovereignty, Socialism and Democracy
- 4.2 Constitutional values reflected in the Fundamental rights and duties: Patriotism,
 Nationalism, Humanism, Environmentalism, Harmonious living, Gender equality,
 National Integration and International Understanding, Scientific temper and inquiry,
 Individual and collective excellence.

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- 4.3 Strategies to foster constitutional values among youth.
- 4.4 Value orientation of Teacher Education Curriculum, National Curriculum Framework for Foundation Stage 2022 and National Curriculum Framework for School Education 2023.

Mode of Transaction: Lecture cum Discussion, Field trip, Assignment, Project

- Debates, Elocution panel discussions related to values for 'One world one family'
- Case studies and historical studies on institutions/organisations promoting values/ philosophy / culture/ etc. for fostering peace and harmony.
- Action research in classrooms for teaching learning practices/value development among children.
- Documentation and dissemination of ancient practices promoting values and means of fostering values.
- Reviews/reflections/researches on relevance of values/policy/practices as mentioned in constitution/legal and societal frameworks/family norms etc.

Dissertation III- Report Submission

Compulsory
Credit: 04
Marks:100

Learning Outcomes:

Prospective teacher educator...

- Collects the data for the research work.
- Analyses the data and compute the results.
- Develops skills of writing the data analysis and results for research report.
- Presents, discusses and defends their research work and its findings.

Details and Submissions

- Data Collection
- Data Analysis & Results
- Submission of Chapter 4,5,/ 6
- Submission of Research Report
- Presentation of Summary of Research work

Mode of Transaction: Face to Face, field visit, library visit, institutes etc. for data collection

- Classroom discussions on various topics related to research in education.
- Discussions and reflections on writing of research dissertation as per APA Manual and other defined guidelines.
- Pre-submission Seminars for approval of dissertation work.

Curriculum	Framework	Mactor	f Faluration	12 Vaar	2022
Curriculum	Framework	iviaster o	ot Education	(Z-Year)	2023

Evaluation Patterns

Tuno of		Internal		Exte	Total			
Type of Paper	Credit	Particulars	Marks	Total Marks	Particulars	Marks	Total Marks	Marks
Theory		Assignment/ Seminar/ Project/ Workshop	5	30	Semester end		70	
	4	Attendance	5		Written Examination	70		100
		CCE	5					
		From Prelim Exam	15					
Theory	2	Assignment/ Seminar/ Project/ Workshop	5	15	Semester end Written Examination	35	35	50
		From Prelim Exam	10					
Practical		Submission	20					
	2	Presentation	20	50				50
		Viva	10					

			DISSERTATION ASSESSMENT					
	r		Dissertation- I research proposal					
Som	Sem Credit Hrs.		Activity		Marks			
36111			Activity	Internal	External	Total		
			Research Review at least 10	10	-	10		
2	2	60	Preparation of Research Proposal	20	-	20		
			Presentation of Research Proposal and approval	20	-	20		
				50	-	50		
	Dissertation- II Tool Development							
Sem	Credit Hrs.		Activity					
Sem	em Credit Ar	reuit nrs.	Activity	Internal	External	Total		
	3 2 60		Development and validation of tool	20	-	20		
3		60	Submission of chapter-1,2 and 3	20	-	20		
3			2 00	Presentation of work done	10	-	10	
				50	-	50		
			Dissertation- III Report Submission					
Sem	Credit	Hrs.	Activity					
36111	Credit	1113.	Activity	Internal	External	Total		
			Data Collection	10	-	10		
			Data Analysis and Results	10	-	10		
1	,	4 120	Submission of Chapter 4,5 and 6	10	-	10		
4	4 4		Submission of Research Report	-	20	20		
				Presentation of work done	-	50	50	
				30	70	100		

Internship M.Ed.								
Com	Cuadit	Llua	A catholists	Marks				
Sem	m Credit Hrs.		Activity	Internal	External	Total		
			Implementation of a Psychological Test/Status Survey/ Social Research	20	-	20		
			Guidance, checking and supervision of Microteaching/ Simulation Lessons of B.Ed. Students	20	-	20		
2	2	60	Visit to an agency of curriculum development/ textbook board/DIET/GCERT/Teacher Education Institution	20	-	20		
			Visit to Secondary Teacher Training Institute, GCERT/INFLIBNET/GIET/an institute of special education/NGO and contribute as a teacher/Vol- unteer	20	-	20		
			Presentation of submissions	20	-	20		
			Total	100	-	100		
			Internship M.Ed. II					
Sem	Credit	Hrs.	Activity	Marks				
Jeili	Credit	шэ.	Activity	Internal	External	Total		
			Lessons in Teacher Education Institutute	20	-	20		
			Observation of Lessons	10	-	10		
			Planning of curricular/ co-curricular activity/ Time Table/ unit planning	10	-	10		
3	2	60	Interview of Head/ Institutional Analysis	20	-	20		
			Reflective Diary	20	-	20		
			Presentation of Submissions	20	-	20		
			Total	100	-	100		

Format of Question Paper

General Instructions:

- 1. All questions are compulsory, options are internal.
- 2. Digits marked at the end of questions shows total marks of that questions.
- 3. Answer briefly and to the point.

For 70 Marks: (Time 3 Hours)

Question 1 Answer following questions as directed: (From Unit 1) (A): Answer any two out of three In 400 words (B): Answer any two out of three In 250 words	08 Marks 06 Marks
Question 2 Answer following questions as directed: (From Unit 2)	
(A): Answer any two out of three In 400 words	08 Marks
(B): Answer any two out of three In 250 words	06 Marks
Question 3 Answer following questions as directed: (From Unit 3)	
(A): Answer any two out of three In 400 words	08 Marks
(B): Answer any two out of three In 250 words	06 Marks
Question 4 Answer following questions as directed: (From Unit 4)	
(A): Answer any two out of three In 400 words	08 Marks
(B): Answer any two out of three In 250 words	06 Marks
Question 5: Answer any 7 out of 10 questions: (From All four Units)	14 Marks
For 35 Marks:(Time 2 Hours)	
Question 1 Answer following questions as directed: (From Unit 1 & 2)	
(A): Answer any two out of three In 400 words	08 Marks
(B): Answer any two out of three In 250 words	06 Marks
Question 2 Answer following questions as directed: (From Unit 3 & 4)	
(A): Answer any two out of three In 400 words	08 Marks
(B): Answer any two out of three In 250 words	06 Marks
Question 3: Answer any 7 out of 10 questions (From All four Units)	07 Marks

Instructions about Examination

1. ASSESEMNT

- 1.1 There shall be two components for assesment of learners
 - 1. Continuous and Comprehensive Evaluation (Internal Assessment)
 - 2. Semester End Examination (External Examination)
- 1.2 The assessment carries any of the following modes, as per the requirement of the Papers as notified by the University.

(a) Written (b) Practical

(c) Oral/Viva-voce (d) ICT based Tests

(e) Open Book Examinations (f) Submission of Project/Report

- 1.3 The semester end examination shall be mandatory for every student to appear in every examination conducted by the University. The examination shall be held according to the scheduled notified by the University from time to time. Any of the students who fail to present himself/herself at the examination as per schedule at the place notified and those who appear at the examination and leave the examination hall voluntarily or boycott the examination for any of the reasons or whatsoever deemed as forfeiting his/her rights to appear at the said examination. The University shall not hold fresh examination for any or all subjects for such students under any circumstances.
- 1.4 Practical, Oral (Viva-voce) Examination
 - 1. The practical examination shall be organised by the respective Institute as per the instructions of the University. Principal / HoD of the Institute concerned shall submit the time table including the names of the paper setters/ examiners to the Controller of Examination, IITE 15 days in advance.
 - 2. The practical examination shall be conducted in presence of Examinerrs appointed by the University and to assist external examiner there shall be one internal examiner duly appointed by the University.
 - 3. In event of assessment is to be carried out by reviewing the submissions of candidate, the examination shall be carried out jointly by internal as well as external evaluators by the University.
- 1.5 The Principal / HoD of the respective Institute shall send a list of students eligible and not eligible for the End-Term Examinations. Only those students will be allowed to appear in the End-Term Theory and Practical Examinations, whose names appear in the list of eligible students. It is the sole responsibility of the Institute/Institute to check the eligibility of the students before sending the list and Examination Form to the University.

Since the B.Ed. Course is governed by the rules and regulations stipulated by the NCTE, the 80% of the presence is required in theory classes and 90% of the presence is required in Practice Teaching/field based practicum/School Internship for qualifing in semester end examination.

- 1.6 Only those candidates who have passed the internal assessment of the particular course shall be permitted to appear in the examination. In case, the result of internal assessment is submitted during the examination, the external examination appeared shall be void for the further process.
- 1.7 Hall tickets shall be issued to each student by the Examination Department prior to the commencement of the examinations. No student shall be permitted to enter the Examination Hall without the Hall Ticket. The Students will be permitted to appear only in those examinations indicated in her / his Hall ticket. It is further clarified that the issuance of a Hall ticket is not an acknowledgement by the University that the student has fulfilled all the requirements which would entitle him/her to appear for the examination, such as, minimum attendance in any such case University may restrict the student to appear for the examination.
- 1.8 The result of the last semester shall not be declared (kept withheld) unless and until the candidate clears all the courses/papers of a program.

2. MARK SHEET

The Mark sheet would contain the performance of the student in terms of grades and it should contain photographs of the student, hologram of the IITE, QR Code, Name of the Institute where student studied in student Certificates and mode of Study.

3. ASSESSMENT AND EVALUATION:

CCE (Continuous and Comprehensive Evaluation):

There will be continuous and comprehensive evaluation for the Course. The learners will be evaluated internally as well as externally. As the university has adopted CCE module for the evaluation, the pattern scheme for evaluation will be as under:

3.1 SCHEME OF EVALUATION

INTERNAL EVALUATION (30 % of Marks)

Internal evaluation will include assignment/project/seminar/practical/MCQ test/Quiz/VIVA/ written test. It is up to the department/ Institute to select any of these. The ratio of marks will be 1:1:1:3 for each. The detailed Marks statement shall be submitted to Examination Section on or before the last day of the respective semester. Plagiarism of any kind in assignment/project work/ seminar/ any submission etc. will be punishable by the concerned departments.

EXTERNAL EVALUATION (70 % of Marks)

External evaluation will be semester end examination, theoretically and/or practically as case may be, conducted by the university at the end of each semester.

3.2 ASSESSMENT

There are two categories for evaluation: The student is eligible for Total for that subject, if there are more than 40 % of marks in Internal and External Evaluation.

3.3 GRADING SYSTEM AS PER UGC 10 POINT SCALE SYSTEM.

Cumulative Grade Point Average (CGPA): It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.

i.e. CGPA = Σ (Ci x Si) / Σ Ci

where Si is the SGPA of the ith semester and Ci is the total number of credits in that semester. Semester Grade Point Average (SGPA): It is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.

i.e SGPA (Si) = Σ (Ci x Gi) / Σ Ci

where Ci is the number of credits of the ith course and Gi is the grade point scored by the Students

Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.

Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by letters O+, O, A+, A, B+, B and F.

3.4 PROCEDURE OF AWARDING THE GRADES

Marks and Award of Grades:

The following TABLE gives the marks, numerically grades, letter grades and classification to indicate the performance of the candidate.

Grading Pattern Table

Conversion of Marks to Numerical Grade, Letter Grade & Course Performance

4. CONFERNMENT OF DEGREES

A student shall be awarded degree if he/she has registered himself/herself, undergone the course of studies, completed the project reports / dissertation specified in the curriculum of his/her programme and earned the minimum Credits required within the maximum period of Course Duration + 2 years

5. MERITORIOUS AWARDS

- 5.1 The Prizes and Medals, the award of which are instituted by the University shall be presented at the Convocation to the awardees, if they choose to remain present, immediately after the conferment of the degrees. In other cases the same will be delivered to them through the Principal / HoD of the concerned Institute.
- 5.2 Gold Medal(s) shall be awarded on the basis of Total Marks obtained by the student in all the semesters. Medal will only be awarded for the Courses in which minimum 5 Students are enrolled in last semester.

- 5.3 If two or more students have secured the same Marks, then the marks secured by the students in the external examination only shall be taken into consideration in awarding the Gold Medals.
- 5.4 If both students also secure the same external marks, then both the students should be awarded the Gold Medal
- 5.5 The Rank Holders on the basis of Marks shall be awarded the University Gold medal for being First. The Second and third Rank holders shall be given rank certificates by the university. The University shall also issue Certificates indicating the name of the Medal awarded to the students.
- 5.6 The University may also consider issuing other Certificates of Merit or overall conduct at any convocation organized by the University.
- 5.7 A student who has been fined or has been expelled from the Hostel / Institute/University for any act of indiscipline shall not be eligible for the award of gold medal(s). A student who has failed in any course and has cleared the course in a Repeat Examination shall not be eligible for award of Gold Medals.

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SEMESTER-IV

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6	Mala Arora	Education Consultant, Inclusion, Diversity and Mental Health
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3	Dr. Keval Gadani	Assistant Professor, Centre of Education, IITE
4	Prof. Pankaj Gajjar	Head of Department, Department of Physics, Electronics & Space Science, Gujarat University
5	Prof Nisarg Bhatt	Professor, Department of Physics, Maharaja Krishnakumarsinhji Bhavnagar University
6	Dr. Vimal Joshi	Principal, Shri R K Parikh Arts and Science College
7	Prof Bobby Antony	Professor, Indian Institute of Technology (Indian School of Mines)

Board of Studies for Chemistry

Sr. No.	Member Name	Designation
1	Dr. Hemant Prajapati, Chairperson	Associate Professor, Centre of Education, IITE
2	Dr. Tejas Pavagadhi	Assistant Professor, Centre of Education, IITE
3	Ms. Hetal Patel	Assistant Professor, Centre of Education, IITE
4	Prof. Pragnesh Dave	Professor, Department of Chemistry, Sardar Patel University
5	Prof. K. S. Chikhalia	Professor, Department of Chemistry, Veer Narmad South Gujarat University
6	Dr. Shailesh Zala	Associate Professor, M.G. Institute of Science
7	Dr. Nirmal Kumar	Senior General Manager, Chemistry Manufacturing and Controls (CMC) Zydus Research Centre

Board of Studies for Life Sciences

Sr. No.	Member Name	Designation
1	Dr. Mehul Dave, Chairperson	Associate Professor, Centre of Education, IITE
2	Dr. Roshani Adiyecha	Assistant Professor, Centre of Education, IITE
3	Dr. Rashmi Bariya	Assistant Professor, Centre of Education, IITE
4	Prof. Archana Mankad	Head of Department, Department of Botany, School of Sciences, Gujarat University
5	Prof. Ramesh Kothari	Professor, Bioscience Department, Saurashtra University
6	Dr. Snehal Bagthariya	Joint Director, Gujarat State Biotechnology Mission
7	Dr. Ketan Tatu	Senior Scientist, GEER Foundation

યુનિવર્સિટી ગીત

રાષ્ટ્રની ઉજળી આવતી કાલના અમે છીએ ઘડવૈયા અંધકારની સામે અડીખમ પ્રકાશના લડવૈયા તૂટે તિમિર તણા હર બંધન(0૨) આઈ.આઈ.ટી.ઈ. તુજને વંદન(0૨) ઘડવૈયાનું ઘડતર કરતું ઉત્તમ વિદ્યાધામ, પરંપરાને પ્રયોગ કેરું થાય ઉચિત સન્માન તુજને કોટિ કોટિ અભિનંદન (0૨) આઈ.આઈ.ટી.ઈ. તુજને વંદન(0૨) સંસ્કૃતિનું રક્ષણ, આધુનિકતાનું આહ્વાહન, સુરાષ્ટ્રના નિર્માણને સાર્થક કરતું ઉત્તમ શિક્ષણ પ્રગટે જ્ઞાન તણા જ્યાં સ્પંદન (0૨) આઈ.આઈ.ટી.ઈ. તુજને વંદન(0૪)





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