Teerthanker Mahaveer University
Faculty of Education

B.Sc.-B.Ed.

Programme Outcome

PO-1	**:**	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decision (intellectual, organizational, and personal) from different perspective
PO-2	**:**	Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books media and technology.
PO-3	**:**	Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group setting.
PO-4	**:**	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering
PO-5	**:**	Ethics: Recognize different value system including your own, understand the moral dimensions of your decision, and accept responsibility for them.
PO-6	**:**	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
PO-7	**:**	Self-directed and Life-long Learning: Acquire the ability to engage in independent and lifelong learning in the broadest context socio-technological changes.

Programme Specific Outcome

PSO-1	**:**	Understanding concepts, theories, methods and techniques of Teaching Learning process, Pedagogy, Assessment, School Management and Community Involvement
PSO-2	**:**	Applying the psychological principles and theories in identifying the abilities, traits and problems of students.
PSO-3	**:**	Applying the concepts of Physics, Chemistry and Mathematics.
PSO-4	**:**	Applying the concepts of Zoology and Botany.
PSO-5	**:**	Analyzing specific academic situations and selecting appropriate approaches, tools & techniques to deal with academic issues.
PSO-6	**:**	Evaluating individual student's learning requirement and designing specific strategy for the improvement.
PSO-7	**:**	Devising plans for administration of school, delivery of courses, assessment of learning and training of staff.
PSO-8	**:**	Developing the teaching skills relevant to employment opportunities.

Course Outcomes

BSCEIE101	**CO-1**	Understanding the stages of human development and development tasks for childhood and adolescence.
	CO-2	Applying the various theories of learning and development in education at different stages of life.
	CO-3	Analysing the children with special needs and selecting specific

		interventional approaches and therapy.
	CO-4	Evaluating the children from diverse socio-economic background and selecting specific learner centered teaching methods for enhancing thinking, learning & skills.
	CO-5	Developing the social and cultural values in students by organizing community linked programmes at different level.
BSCEI102	**CO-1**	ब्1णविद्यार्थीस्वर,व्यंजन,शब्दसंरचनातथावाक्य संरचनाको समझसकेगें।
	CO-2	ब्2णविद्यार्थीवर्तनीतथालेखनीमेंव्याकरण के नियमोंकाउपयोगकरसकेगें।
	CO-3	ब्3णविद्यार्थी शब्द, वाक्य, कविता, कहानी,नाटकतथानिबन्ध आदिकाविश्लेषणकरसकेगें।
BSCEI103	**CO-1**	Understanding the basic principles of trigonometry and differential calculus.
	CO-2	Applying trigonometry expansions.
	CO-3	Analyzing different mathematical theorems.
BSCEI104	**CO-1**	Understanding the basic concepts and principles of mechanics.
	CO-2	Applying laws of motion, elasticity and forces in different physical experiments.
	CO-3	Analyzing the motion of objects in the context of linear, gravitational and central forces.
BSCEIE105	**CO-1**	Understanding the concepts and theories of chemical kinetics and surface chemistry.
	CO-2	Explaining the effect of temperature on catalyst.
	CO-3	Analyzing the defects of crystals and mechanism of rate of reaction.
BSCEI106	**CO-1**	Understanding diverse forms of lower life existence on earth.
	CO-2	Describing the general characters, classification and life cycle of micro-organisms and lower plants.
	CO-3	Explaining various methods of plant disease control.
	CO-4	Analyzing the process of evolution of life on earth.
BSCEI107	**CO-1**	Understanding the taxonomy and life cycle of lower invertebrates.
	CO-2	Explaining the organization in the lower invertebrates.
	CO-3	Analyzing levels of organization in the lower invertebrates.
BSCEI151	**CO-1**	Applying the concept of moment of inertia, elastic constant and viscosity of the liquid to different applications.
	CO-2	Analyzing the applications and working of moment of inertia and concept of elasticity in different physical experiments.
BSCEI152	**CO-1**	Determine the concentration of unknown solution.
	CO-2	Identify unknown substance by measuring melting and boiling point.
	CO-3	Apply uses of titrations in pharma industry.
BSCEI153	**CO-1**	Recognizes information of specimen collection, slide preparation and microscopy.
	CO-2	Explaining plant diseases, causal organisms and their control measures
BSCEI154	**CO-1**	Understanding the structure of lower invertebrates.
	CO-2	Recognizes information of specimen collection, slide preparation and microscopy.
	CO-3	Setup the permanent mounting of external structure of lower invertebrates
	CO-4	Analyzing the structure ofTS/LS of organs & developmental stages

BSCEI155	**CO-1**	Understanding of isomorphism, homomorphism and automorphism of a group.
	CO-2	Applying the fundamental theorems of algebra such as Cayley's theorem and Lagrange's theorem.
	CO-3	Analyzing vector space and properties of vector space.
TMUGE199	**CO-1**	Understanding the importance of English language and communication in daily life.
	CO-2	Applying the concepts of communication, vocabulary & grammar in spoken English.
	CO-3	Applying etiquette & manners in interpersonal communication.
	CO-4	Developing and making effective presentation.
	CO-5	Developing written communication skills & applying appropriate formats of written communication
BSCEIX 201	**CO-1**	Remembering the facts, terms, basic concepts and scopes related to environmental studies
	CO-2	Applying the control measures of different types of pollution
	CO-3	Analyzing the effects of global warming
BSCEI208	**CO-1**	Understanding the concept of teaching-learning process, level of teaching and learner's personality.
	CO-2	Applying the various theories of learning in developing personality of learners.
	CO-3	Analyzing the students' individual differences and selecting basic teaching skills and techniques of teaching.
BSCEI203	**CO-1**	Understanding the concepts of partial differential equations of first order and second order.
	CO-2	Applying different methods to solve partial differential equation.
BSCEI204	**CO-1**	Understanding the concepts of electric circuits, electric field, magnetic field and electro magmatic induction.
	CO-2	Explaining various laws and theorems of electric field, magnetic field and electro magmatic induction.
BSCEI205	**CO-1**	Understanding the concepts of Inorganic Chemistry.
	CO-2	Explaining the atomic structures and properties & periodicity of elements.
	CO-3	Applying the periodic property of element to find out their position in periodic table.
BSCEI206	**CO-1**	Understanding the general characters, classification and life cycles of Bryophytes, Pteridophytes and Gymnosperms.
	CO-2	Explaining Paleobotany, types of fossils and geological time scale.
BSCEI207	**CO-1**	Understanding the general characters and life cycle of higher invertebrates.
	CO-2	Analyzing the structure and function of cell and cell organelles.
BSCEI251	**CO-1**	Applying elementary ideas of electricity and magnetism to determine current, resistance and galvanometer sensitivity.
	CO-2	Analyzing the applications and working of Ballistic Galvanometer, electromagnetic induction, network theorem, Hysteresis loop etc.
BSCEI252	**CO-1**	Analyze the concentration of oxidizing agents in water samples in ecological studies
	CO-2	Apply the process of aromatic nitration in industrial chemistry.

BSCEI253	**CO-1**	Demonstrate the general characters, morphological and anatomical features of pteridophytes through specimens and slides.
	CO-2	Analyzing the evolution of bryophytes, pteridophytes and gymnosperms on earth.
BSCEI254	**CO-1**	Explain the general characters, morphological and anatomical features of higher invertebrates.
	CO-2	Applying knowledge of Mitosis and Meiosis by preparation of slides.
	CO-3	Analyzing the structure of Cell, Cell division and chromosome with slides.
BSCEI255	**CO-1**	Understanding the concepts of algebra and matrices.
	CO-2	Applying the fundamental theorems of algebra such as Cayley's theorem and Lagrange's theorem.
	CO-3	Analyzing vector space, properties of vector space and Eigen values and Eigen vectors.
TMUGE299	**CO-1**	Understanding the importance of four skills of English communication: Listening, Speaking, Reading and Writing in daily life.
	CO-2	Applying the concepts of LSRW, vocabulary & grammar in speaking English language effectively.
	CO-3	Analyzing the process, types and barriers to Listening for the effective learning.
BSCEI301	**CO-1**	Remembering facts, terms, basic concepts related to contemporary India and education.
	CO-2	Analyzing issues and concerns in Indian education system.
	CO-3	Distinguishing strengths and weakness of policy framework for public education.
BSCEI302	**CO-1**	Understanding the concepts of Organic Chemistry.
	CO-2	Applying the concept of Organic Chemistry to find hybridisation and shapes of molecules.
	CO-3	Analysing the various chemical reactions and their mechanism
BSCEI303	**CO-1**	Remembering the concept of health, Physical fitness & Yoga Education.
	CO-2	Understanding school health programs, health problems and benefits of physical fitness.
	CO-3	Demonstrating and applying various yogic practices for health and stress management.
BSCEI304: OPTICS	**CO-1**	Understanding the concepts of ray and wave optics.
	CO-2	Applying different laws and concepts of understand optic instruments like grating, telescope etc.
	CO-3	Analyzing the applications of interference and diffraction and polarization of light waves.
BSCEI305	**CO-1**	Understanding the basic of real analysis.
	CO-2	Applying various theorems such as Darboux's theorem and fundamental theorem of real analysis.
	CO-3	Analyzing convergence Weirstrass test and M-test.
BSCEI306	**CO-1**	Understanding the concept, aim, scope and classification of plant taxonomy.
	CO-2	Appling the microsporogenesis, megasporogenesis, pollination, fertilization and endosperm development process in plants
	CO-3	Identifying the plants on the basis of their habitat, leaf, flower and fruit

		structures.
BSCEI307	**CO-1**	Understanding the taxonomy of chordate and their classes
	CO-2	Appling the physiology, structure and life history of chordata animals like fishes, amphibians, aves, reptiles and mammals.
	CO-3	Analyzing the difference between of Poisonous and non- poisonous snakes.
BSCEI351	**CO-1**	Applying elementary ideas of interference and diffraction to determine the wavelength by Newton's rings, Fresnel's biprism and polar meter.
	CO-2	Analyzing the applications and working of Laser, telescope, photocell and Interferometer.
BSCEI352	**CO-1**	Analyze the chemical behavior of unknown substance.
	CO-2	Determine the physical and chemical properties of different unknown organic compound by functional group analysis.
BSCEI353	**CO-1**	Demonstrate the general characters, floral formula, floral diagram and economic importance of different families of flowering plant.
	CO-2	Analyzing the Bentham& Hooker's system of classification in systematic study of local flora.
	CO-3	Developing the structure of anther, plant embryo.
BSCEI354	**CO-1**	Explaining the characteristic, classification and economic importance of chordata
	CO-2	Demonstrating the structure of Balanoglossus sections through probossiss, collar, branchiogenital and hepatic region.
	CO-3	Analysing placoid, cycloid and ctenoid scales via Temporary unstained preparation.
BSCEI355	**CO-1**	Understanding the concepts of integral calculus, definite and multiple integration and reduction formula.
	CO-2	Applying the beta and gamma function and its application.
	CO-3	Analyzing first order differential equation and miscellaneous differential equation.
TMUGE399	**CO-1**	Understanding the importance of English language and communication in daily life.
	CO-2	Applying the concepts of communication, vocabulary & grammar in spoken English.
	CO-3	Developing written communication skills & applying appropriate formats of written communication
TMUGS301	**CO-1**	Utilizing effective verbal and non-verbal communication techniques in formal and informal settings
	CO-2	Understanding and analyzing self and devising a strategy for self growth and development.
	CO-3	Adapting a positive mindset conducive for growth through optimism and constructive thinking.
	CO-4	Utilizing time in the most effective manner and avoiding procrastination.
	CO-5	Making appropriate and responsible decisions through various techniques like SWOT, Simulation and Decision Tree.
	CO-6	Formulating strategies of avoiding time wasters and preparing to-do list to manage priorities and achieve SMART goals.
BSCEI401	**CO-1**	Understanding the concepts of gender, gender bias, gender stereotype,

		empowerment,
	CO-2	Patriarchy and feminism in society & their challenges.
	CO-3	Applying the legal provision for gender equality in present scenario.
	CO-4	Analyzing the need and importance of equality and equity in education.
BSCEI402	**CO-1**	Understanding the concepts and theories of chemical bonding and the concept of Organic, Inorganic Chemistry.
	CO-2	Analyzing the p block elements.
	CO-3	Evaluating the different types of Alcohol and amino acids.
BSCEIE 403	**CO-1**	Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components
	CO-2	Applying the concept of operating system, application program, and what each is used for in a computer.
	CO-3	Accomplish creating basic documents, worksheets, presentations with their properties.
BSCEI404	**CO-1**	Understanding the concepts and idea of geometrical oscillations including the wave motion.
	CO-2	Applying the properties of simple harmonic motion.
	CO-3	Analyzing the applications of SHM like pendulum & Mass spring System.
BSCEI405	**CO-1**	Understanding the concepts of complex analysis, analytic function and complex integration.
	CO-2	Applying the taylor's theorem, Laurent's theorem and Liouville's theorem.
	CO-3	Analyzing zero's and singularity of a complex function.
BSCEI406	**CO-1**	Understanding the concepts,aim and scope of Plant Physiology.
	CO-2	Applying the properties and importance of water in plant metabolism
	CO-3	Demonstrating the basic concept of mineral nutrition, photosynthesis and respiration in plants.
	CO-4	Describing the role of enzymes in plant metabolic activities.
BSCEI407	**CO-1**	Understanding the concept and theories of the evolution and embryology.
	CO-2	Applying the knowledge of process of Gametogenesis in further studies.
	CO-3	Analyzing the process of process of blastulation, gastrulation and placentation.
BSCEI451	**CO-1**	Applying elementary ideas of oscillation and wave motion to determine the gravitational constant, spring constant and AC frequency.
	CO-2	Analyzing the applications and working of Lissajous figures, oscillators and CRO.
BSCEI452	**CO-1**	Applying the knowledge of viscosity measurement in food industry
	CO-2	Analyze the chemical properties of an unknown substance.
	CO-3	Measure surface tension to improve quality of different products.
BSCEI453	**CO-1**	Applying the knowledge of preparation of different types of solutions
	CO-2	Analyzing the techniques of chromatography in separation and identification of plant pigments.
	CO-3	Demonstrating the role of external and internal factors in plant growth and development
BSCEI454	**CO-1**	Explaining the morphology of reptiles, birds and Mammals
	CO-2	Demonstrating the role of developmental stage primitive streak in embryonic growth and development of chick and frog

	CO-3	Analyzing the Animal cell structure and function at embryonic level
BSCEI455	**CO-1**	Understanding the concepts of linear and ordinary differential equation.
	CO-2	Applying the integration in series.
	CO-3	Analyzing Picard's iteration method and uniqueness and existence theorems.
TMUGE499	**CO-1**	Understanding the essence of effective listening and speaking, about proposal and report writing and acquiring the adequate knowledge of grammar and vocabulary
	CO-2	Applying the acquired knowledge of grammar and vocabulary in the practice of professional writing and interview.
	CO-3	Analyzing the effect of applied knowledge of grammar and job oriented skills in the presentation
	CO-4	Evaluating the role and relevance of the story reading in the inculcation of professional ethics as well as the value of effective listening and speaking in modifying the job-oriented skills.
	CO-5	Designing impressive proposals and resume by using the skill of professional writing and developing good presentation skills for interviews to maximize their opportunity of job as well as to fulfill corporate expectations
TMUGS401	**CO-1**	Communicating effectively in a variety of public and interpersonal settings.
	CO-2	Applying concepts of change management for growth and development by understanding inertia of change and mastering the Laws of Change.
	CO-3	Analyzing scenarios, synthesizing alternatives and thinking critically to negotiate, resolve conflicts and develop cordial interpersonal relationships.
	CO-4	Functioning in a team and enabling other people to act while encouraging growth and creating mutual respect and trust.
	CO-5	Handling difficult situations with grace, style, and professionalism.
BSCEI502	**CO-1**	Understanding the concepts of physical andInorganic chemistry.
	CO-2	Analyzing the different environmental problems.
	CO-3	Evaluating the chemistry of various type of substances.
BSCEIE503	**CO-1**	Understanding the need and importance of value education.
	CO-2	Applying the different methods of value education.
	CO-3	Analyzing the process of value education.
	CO-4	Developing professional ethics in youths.
BSCEI504	**CO-1**	Understanding the concepts of semiconductor and solid state devices.
	CO-2	Appling the mechanism of drift and diffusion of charge carriers.
	CO-3	Analyzing the working of diodes like Varactor diode, photo diode, tunnel diode and solar cells and Triodes like BJT, FET and MOSFET.
BSCEI505	**CO-1**	Understanding the concepts of differential geometry and tensor.
	CO-2	Applying the fundamental form and relation between E, F,G coordinates.
	CO-3	Analyzing contra variant and covariant vectors and tensors.
BSCEI506	**CO-1**	Describing the origin and diversification of cultivated plants.
	CO-2	Describing botanical name, family, morphology and uses of economically important crop plants.
	CO-3	Appling basic techniques of plant biotechnology and genetic engineering

		in plant genetic improvement.
	CO-4	Assessing the scope of plant tissue culture techniques for multiplication and conservation of endangered plants species having medicinal, aromatic, agricultural and economic value.
BSCEIE507	**CO-1**	Understanding the concept of cell biology and genetics.
	CO-2	Appling the Structure and function of cell and other cell organelles.
	CO-3	Analyzing the Mendel's principles on genetics, Structure of chromosomes, DNA and RNA.
BSCEI 521	**CO-1**	Understanding various approaches and methods for teaching-learning of mathematics.
	CO-2	Describing concepts, principles and theories of assessment of learning.
	CO-3	Identifying theories, principles and techniques of pedagogy and selecting relevant pedagogical tools for learning.
	CO-4	Applying the mathematical concepts in inter- disciplinary situations
BSCEI 522	**CO-1**	Understanding various approaches and methods for teaching- learning of Physical Science.
	CO-2	Describing concepts, principles and theories of assessment of learning.
	CO-3	Applying the Physical Science concepts in inter-disciplinary situations.
	CO-4	Evaluating the learning assessment requirements and designing the assessment instruments for Physical Science course.
BSCEI 523	**CO-1**	Understanding various approaches and methods for teaching- learning of biological science.
	CO-2	Describing concepts, principles and theories of assessment of learning.
	CO-3	Applying the biological science concepts in inter- disciplinary situations
	CO-4	Evaluating the assessment requirements and designing the assessment instruments for the biology course.
BSCEI551	**CO-1**	Applying elementary ideas of electronics to determine the characteristics of solar cell, photocell, Zener diode and LED.
	CO-2	Analyzing the applications of Hall Effect, Hysteresis loop, logic gates and magnetic susceptibility.
BSCEI552	**CO-1**	Identify and separate preservatives and additives added in food items by chromatography.
	CO-2	Apply the technique of conduct metric titrations in drug industry
	CO-3	Analyze a unknown organic compound.
BSCEI553	**CO-1**	Explaining the knowledge of molecular techniques frequently used in plant biotechnology
	CO-2	Analyzing the plant tissue culture laboratory design and set up, cleaning and sterilization of glassware and preparation of plant tissue culture media.
BSCEI554	**CO-1**	Explaining the knowledge of Preparation and study of slides for mitosis using squash technique.
	CO-2	Demonstrating the structure of Axial skeleton and Appendicular skeleton of owl.
	CO-3	Analyzing the structure of cell organelles through electron microscope.
BSCEI555	**CO-1**	Understanding the concepts of linear and ordinary differential equation.
	CO-2	Applying the integration in series.
	CO-3	Analyzing Picard's iteration method and uniqueness and existence

		theorems.
BSCEI602	**CO-1**	Understanding the concepts of physical chemistry and Organic Chemistry.
	CO-2	Applying the uses of various organic compounds.
	CO-3	Analyzing the chemistry of various chemical reactions
	CO-4	Evaluating the various colligative properties.
BSCEI603	**CO-1**	Understanding the concept, nature and scope of ICT in Education.
	CO-2	Applying ICT in enhancing professional competencies, curriculum enrichment and Educational administration & management.
	CO-3	Analyzing the changes occurring due to implication of ICT in Education.
	CO-4	Evaluating ICT based support services
	CO-5	Developing the skills to operate computer and gadgets for e-learning.
BSCEI604	**CO-1**	Understanding the laws of thermodynamics, entropy and relationship between thermodynamic variable & potential.
	CO-2	Appling the laws of radiation, low temperature physics, superconductor and probability of accessible & inaccessible states.
	CO-3	Analyzing the mechanism of real and ideal gases
BSCEI605	**CO-1**	Understanding the concepts of applied statistics.
	CO-2	Applying the theory of index number.
	CO-3	Analyzing different kind of decision theory, inventory control, CPM & PERT.
BSCEI606	**CO-1**	Understanding the various global and regional environmental issues.
	CO-2	Remembering bio-techniques for monitoring, cleaning up oftoxic hazardous substances from the environment.
	CO-3	Explain different types of environmental pollutions and their impacts on diverse forms of life.
	CO-4	Describing the scopes of environmental biotechnology in order to protect the environment.
BSCEI607	**CO-1**	Understanding the concept of Mammalian Physiology.
	CO-2	Explain the process of physiology of respiration.
	CO-3	Analyzing the blood pressure and Electrocardiogram through the process of physiology of blood circulation.
	CO-4	Analyzing the Structure and function of major endocrine glands.
BSCEI621	**CO-1**	Understanding various approaches and methods for teaching-learning of mathematics.
	CO-2	Describing concepts, principles and theories of assessment of learning.
	CO-3	Identifying theories, principles and techniques of pedagogy and selecting relevant pedagogical tools for learning.
	CO-4	Applying the mathematical concepts in inter- disciplinary situations
BSCEI 622	**CO-1**	Understanding various approaches and methods for teaching- learning of Physical Science.
	CO-2	Describing concepts, principles and theories of assessment of learning.
	CO-3	Applying the Physical Science concepts in inter-disciplinary situations.
	CO-4	Evaluating the learning assessment requirements and designing the assessment instruments for Physical Science course.
BSCEI 623	**CO-1**	Understanding various approaches and methods for teaching- learning of biological science.
	CO-2	Describing concepts, principles and theories of assessment of learning.

	CO-3	Applying the biological science concepts in inter- disciplinary situations
	CO-4	Evaluating the assessment requirements and designing the assessment instruments for the biology course.
BSCEI651	**CO-1**	Applying various laws of thermodynamics to various processes and real systems.
	CO-2	Analyzing the working of resistance thermometer, Thermocouple and application of radiation.
BSCEI652	**CO-1**	Apply the knowledge of Ph measurement in pharma, cosmetic industry.
	CO-2	Estimate water of crystallization in different compounds.
	CO-3	Prepare different types of buffer solutions
BSCEI653	**CO-1**	Appling the knowledge of collection of water and soil samples for environmental monitoring.
	CO-2	Analyzing the basic techniques used for environmental monitoring
	CO-3	Demonstrating Isolating microbial strains from air, water, soil samples and the effect of pH and temperature on their growth.
BSCEI654	**CO-1**	Explain the basic analytical techniques used for Test for amylase on starch, sugar, proteins and lipids
	CO-2	Applying the knowledge of Histology of mammals via slides.
	CO-3	Analysing the process of Osmosis, Muscle twitch by stimulating it with mechanical, chemical and thermal Stimuli, Reflex action and Respiration.
BSCEI655	**CO-1**	Understanding the concepts of linear and ordinary differential equation.
	CO-2	Applying the integration in series.
	CO-3	Analyzing Picard's iteration method and uniqueness and existence theorems.
BSCEI656	**CO-1**	Understanding the teaching resources and teaching learning process in a school.
	CO-2	Applying methods, techniques & materials in teaching learning practice in the real environment of school.
	CO-3	Analyzing schools' teaching learning processes, students' leaning requirements & peers' style of teaching.
	CO-4	Evaluating students' learning through assessment and identifying learning requirements of children.
BSCEI751	**CO-1**	Understanding the real world of teaching with systematic supervisory feedback and tracking students' progress.
	CO-2	Developing a broad repertoire of perspectives, professional capacities, teacher dispositions, sensibilities and skills.
	CO-3	Developing an ability to cater to diverse needs of learners in schools.
	CO-4	Developing the ability to write a reflective report that would facilitate to consolidate and reflection teaching experience.
BSCEI752	**CO-1**	Understanding the real world of teaching with systematic supervisory feedback and tracking students' progress.
	CO-2	Developing a broad repertoire of perspectives, professional capacities, teacher dispositions, sensibilities and skills.
	CO-3	Developing an ability to cater to diverse needs of learners in schools.
	CO-4	Developing the ability to write a reflective report that would facilitate to consolidate and reflection teaching experience.
BSCEI753	**CO-1**	Understanding the real world of teaching with systematic supervisory

		feedback and tracking students' progress.
	CO-2	Developing a broad repertoire of perspectives, professional capacities, teacher dispositions, sensibilities and skills.
	CO-3	Developing an ability to cater to diverse needs of learners in schools.
	CO-4	Developing the ability to write a reflective report that would facilitate to consolidate and reflection teaching experience.
BSCEI801	**CO-1**	Understanding the concept of guidance and counseling, career information and training & resource center for personal and social information.
	CO-2	Applying the various testing devices, principles of guidance and counseling to solve the learners' problems and issues in their life.
	CO-3	Analyzing the strength and weakness of learners in career.
	CO-4	Evaluating the requirements and developing instruments for learners' problems in India.
BSCEI802	**CO-1**	Understanding the relationship of nationalism, universalism and secularism with education
	CO-2	Explaining the relationship among curriculum, syllabus and textbooks.
	CO-3	Applying the concept of child centered education in curriculum development
	CO-4	Analyzing textbook, children's literature and teacher's handbooks with reference to NCF 2005 &2009
	CO-5	Developing skills to critically analyze curriculum
BSCEI803	**CO-1**	Understanding concepts, principles and techniques of assessment for learning.
	CO-2	Understanding the process of test development &standardization of assessment for learning.
	CO-3	Applying the statistics for assessment in teaching –learning process.
	CO-4	Evaluating the assessment requirements and designing the assessment instruments for learning.
	CO-5	Developing ability to construct achievement tests to measure learning outcomes.
BSCEI804	**CO-1**	Understanding the concepts and nature of Inclusive and Special Education.
	CO-2	Applying the Inclusive Instruction Design in Education system to promote inclusion.
	CO-3	Analyzing the characteristics of children with special need and role of educational environment.
	CO-4	Evaluating the Government Efforts to promote Inclusive Education.
	CO-5	Developing the Inclusive Classroom by adapting diversities.
BSCEI805	**CO-1**	Understanding theories of language development and relationship between language and society
	CO-2	Applying language in teaching- learning process
	CO-3	Analyzing nature of speech defects
	CO-4	Evaluating reading, listening, speaking and writing skills and suggesting corrections
	CO-5	Developing reading, listening, speaking and writing skills
BSCEI 851	**CO-1**	Understanding theories of language development and relationship

		between language and society
	CO-2	Applying language in teaching- learning process
	CO-3	Analyzing nature of speech defects
	CO-4	Evaluating reading, listening, speaking and writing skills and suggesting corrections
	CO-5	Developing reading, listening, speaking and writing skills
BSCEI 852	**CO-1**	Understanding the Indian cultural heritage, art forms & artisans in depth.
	CO-2	Understanding the importance of Handicrafts & Village Cottage Industry.
	CO-3	Analyzing Indian art form, cultural heritage, movies and drama.
	CO-4	Creating stories & drama based on Indian cultural & social setting.