

**CC-PE1: Learning, Teaching in Childhood and Growing Up
Month July 2022**

Unit-1 Introduction to childhood

- a) concept of childhood
- b) sociological and perspectives of childhood
- c) Stages of Child development
- d) Relation of childhood with family, neighborhood, Schools and community.
- e) Growing up with media
- f) Characteristics of childhood, child development and adolescence.

August 2022

Unit-2 Theories and factor on child development

- a) Theories for child development, childhoods and adolescence in urban slum, tribal and social backward family.
- b) Impact of urbanization and economic change on child development.
- c) Impact of lifeskill education on childhood development.
- d) Impact of school on child development

September 2022

Unit-3 Teaching and learning process during child development

- a) The pedagogy for child development.
- b) Various methods of learning for different stages of child development.
- c) Tools and methods of Evaluation for childhood education.
- d) Role of media and ICT for child development.

- e) Role of teacher in different learning environment settings

October 2022

Unit-4 Areas of child development.

- a) Cognitive development of child in different stages of development
- b) Affective development of child in different stages of development
- c) Psychomotor development of child in different stages of development
- d) Impact of natural and social environment on child in different stages of development

November 2022

Unit-5 Nature of the Learner: Child and Adolescent

- i. Learner as a developing individual; stages of development
 - ii. Developmental characteristics of a child and an adolescent: physical, cognitive, social, emotional, moral and language; their interrelationships
 - iii. Developmental tasks of childhood and adolescence and their implications
 - iv. Factors influencing development such as heredity, nutrition, child-rearing practices, siblings and peers
- Psychological Experiment (any Five)
- i. Attention
 - ii. Perception
 - iii. Memory
 - iv. Mental work and fatigue
 - v. free Association
 - vi. Imagination
 - vii. Concept formation
 - viii. Intelligence
 - ix. Learning

CC-PE2: Education in Contemporary India and Gender School Society

July 2022

Unit-1 Education and National Development

- a) Concept and causes of social diversity
- b) Levels of diversity- individual, regions, languages, religions, castes and tribes.
- c) Challenges for universal education.
- d) Impact of Social diversity on national development.

August 2022

Unit-2 Provisions for Education in Constitution of India

- a) Preamble of the constitution.
- b) Fundamental Rights and Duties of Citizens.
- c) Constitutional values- freedom, justice, equality and fraternity.
- d) Impact of constitutional values on Education in Contemporary India

September 2022

Unit-3 Educational Policies and School Education

- a) Kothari Commission 1966 with reference to school education
- b) National policy on Education 1992 in reference to. school education
- c) National Knowledge Corporation with reference to school education in India
- d) Vision of Teacher Education in India quality and regulatory perspective with reference to Hon. Justice J.S.Verma.
- e) Educational Structure in Contemporary India and related Bodies NCERT, UGC, NCTE, NAAC, QCI,.SCERT, DIET's.

October 2022

Unit-4 Universalization of Education in India.

- a) Education and Right to education 2009 in India
- b) Education and Sarva shiksha Abhiyan in India
- c) Impact of Liberalization, Privatization and Globalization on School Education in India.
- d) Issues in School Education in India.

November 2022

Unit 5: GENDER ISSUES: KEY CONCEPTS

- i. Gender, sex, sexuality, patriarchy, masculinity and feminism
- ii. Gender bias, gender stereotyping, and empowerment
- iii. Equity and equality in relation with caste, class, religion, ethnicity, disability and region.
- iv. Historical backdrop: Some landmarks from social reform movements in India.

CC-PE3 -Language across the Curriculum- Knowledge and Curriculum

July 2022

Unit 1- Introduction of Language across the Curriculum

- a) Concept of Language across the Curriculum
- b) Skills of Language- (LSWRC)
- c) Language and literacy background of students.

- d) Influence of language on classroom interactions

August 2022

Unit 2-

Laungage and Learning

- i) language learning-from the mother tounge to other tounge- skill acquired in mother tounge
- ii) laungage and learning- the responsibilities of the subject teacher
- iii) Complimentaryity of laungage skills and subject knowledge
- iv) Impact of Language diversity in classroom.

September 2022

Unit 3; Language and society

- i) Regional variations
- ii) Caste dialects
- iii) The standard dialects
- iv) Personal factors leading to variability-sex differences, age.

October 2022

Unit 4- Significance of language in Education.

- i. Significance of language in reading and writing.
- ii. Strategies for reading the text
- iii. Strategies for writing text
- iv. Importance of language in summarizing the text.

November 2022

Unit 5- Introduction to Curriculum

- i. Concept, nature and characteristics of Curriculum
- ii. Epistemological basis of education explained by M. Gandhi
- iii. Epistemological basis of education explained Rabinranath Tagore.
- iv. Relationship between the curriculum framework and syllabus

or

Prepare the term paper on various dimensions of the curriculum and their relationship with the aims of education based on Indian Educationalist

CC-PE 4 : Health, Yoga and Physical Education fitness.

July 2022

Unit 1: Health Education

- i) Concept of health, importance, dimensions and determinants of health;
- ii) Health needs of children and adolescents, including differently-abled children
- iii) Understanding of the body system—skeleton, muscular, respiratory, circulatory and digestive in relation to health fitness, bones, muscles and joints, their functions, common injuries of bones,
- iv) Common health problems and diseases—its causes, prevention and cure, immunization and first aid.
- v) Impact of Physical activities, games, sports and yoga on different body systems.

August 2022

Unit 2: Diseases and food Nutrition

- i) Communicable and non-communicable diseases
- ii) Reproductive and sexual health, hygiene, RTI, STI, HIV/AIDS, responsible sexual behaviour, measures to prevent disease transmission;
- iii) Harmful effects of self-medication and patient's rights.

- iv) Food and nutrition, food habits, timing of food, nutrients and their functions,
- v) seasonal foods and festivals, preservation of food value during cooking,
- vi) indigenous and modern ways to preserve food, shift in food practices and its globalisation, practices related to food hygiene,
- vii) Malnutrition, including obesity, food and waterborne and deficiency diseases and prevention.

September 2022

Unit 3: Physical Education

- i) Physical fitness, strength, endurance and flexibility, its components, sports skills, indigenous and self-defense activities
- ii) Development of physical fitness; Postures; Importance of relaxation; Fitness tests; Resources and services for games and sports and Health.
- iii) Games and sports — athletics (general physical fitness exercises), games (lead-up games, relays and major games) rhythmic activities, gymnastics and their impact on health
- iv) Fundamentals skills of games and sports; Sports for recreation and competition; Rules and regulations of sports; sports ethics; sports awards and scholarships, sport-personship.

October 2022

Unit 4: Health Services, Safety and Security

- i) Role of institutions (school and family), health services,
- ii) policies and major health and physical education-related programmes, blood banks,
- iii) Role of media.
- iv) Health and physical Education and its relationship with other subject areas like Science, Social Science and Languages.
- v) Safety and security — disasters in and outside schools, ways of prevention, safety from snake and dog bites, animal attacks, prevention and treatment

November 2022

Unit 5: Yoga

- i) Concept, need and importance of yoga,
- ii) History of yoga
- iii) Yogasanas- Standing, Sitting, Prone and Supine positions
- iv) Kriyas and Pranayams,

CPS 1&2 Curriculum and Pedagogic Studies - English

July 2022

Unit -1 Nature of Language

- i. Definition
- ii. Characteristics of Language
- iii. Principles of Language Learning
- iv. Place of English
 - a) In India with special reference to three language formula

- b) In Maharashtra state
- c) In present school curriculum
- v Need and importance of English Language
- vi Halliday's seven basic functions of language
- vii General Objectives of teaching English
- viii Instructional Objectives of Teaching English

August 2022

Unit 2- Content-cum-Methodology

- i. Historical Perspective of Content-cum-Methodology
- ii. Meaning, Concept, Nature, Structure of Content-cum- Methodology
- iii. Scope of Content-cum-Methodology
- iv. Content analysis
- v. Objectives of Content-cum-Methodology
- vi. Need and Importance of Content-cum-Methodology
- vii. Plan and procedures
- viii. Implementation of Content-cum-Methodology

September 2022

Unit 3 Developing skills in CLT (Communicative Language Teaching)

- i. Listening skill- Nature, Types-focused, casual procedures and techniques to develop listening skill.
- ii. Speaking skill- Nature, process of teaching speaking skill. Procedures and techniques to develop speaking skills.
- iii. Reading skill- Nature, types of reading skill, loud reading, silent reading, intensive reading and extensive reading
- iv. Styles of Reading- 1) skimming 2) scanning
- v. Procedures and techniques to develop reading skill.
- vi. Writing skill- nature, types of writing: copying, dictation, conversation, guided /free composition
- vii. Procedures and techniques to develop writing skill
- viii. Communicative skill / talking skill
- ix. Nature of skill integration in communicative skills.
- x. Procedures and techniques to develop communicative skills.

October 2022

Unit- 4 Approaches, Methods and Techniques of Teaching and Learning of English

- i. Meaning and concept of Approach, Method and technique.
- ii. Difference between approach and method
- iii. **Various methods evolved for teaching English-** Grammar translation method, direct method, Bilingual method, Dr. West's new method, Eclectic method.(With reference to its Nature, Principles, Application, Merits and Demerits)
- iv. **Various Approaches evolved for teaching-** Structural Approach, Communicative Approach, Constructivist Approach and Total Physical Response Approach (TPR) (With reference to its Nature, Principles, application, Merits and Demerits)

- v. **Techniques /Devices** -Note- Making and Note-taking, pair work, group work, Storytelling, Narration, dramatization and Brainstorming etc.
- vi. **Support services**- Language Laboratory, audio visual aids, Computer and web services.

November 2022

Unit -5 Planning and Evaluation

- i. Types of Planning- Planning- annual Plan, Unit Plan, and lesson plan(with Meaning, framework, and merits)
- ii. Construction of Unit Test- Blue Print
- iii. Types of Exams- Oral, Written and Practical.
- iv. Continuous comprehensive Evaluation System (CCE) – Concept, nature, types and implementation.

CPS 1&2 Curriculum and Pedagogic Studies - History

July 2022

Unit 1 Introduction of History

- i. Etymological meaning and nature of History
- ii. Various definitions of History and modern concept History.
- iii. Scope and Importance of History
- iv. Various sources of History
- v. Types of History -Study the following points
- vi. (Meaning ,nature ,merits and demerits)

August 2022

Unit 2 Objectives of Teaching History

- i. General objectives teaching
- ii. Objectives of teaching History at Primary Level
- iii. Instructional objectives
- iv. Interdisciplinary approach History with other school Subject Language, Geography, Science and ICT

September 2022

Unit 3 Teaching Methods and Technique of History

- i. Story telling method
- ii. Source Method
- iii. Dramatization tehequnic
- iv. Report writing tehequnic (Preparing report of local History)

October2022

Unit 4 Teaching method of History at higher level

- i. Lecture Methods
- ii. Discussion Method
- iii. Project Method

November 2022

Unit 5 Ancient History of India

- i. Evolution of Man

- ii. Civilization –Harappa, Greek
- iii. Vedic Period –Jainism and Buddhism
- iv. Dynasties- Gupta and Mourya

CPS 1&2 Curriculum and Pedagogic Studies - Geography

July 2022

Unit No. 1: Content cum Methodology

- i. concept ,nature and Scope of C. C. M
- ii. .Need and importance of C. C. M
- iii. Steps of the C. C. M.
- iv.. Structure of C.C.M Consistency between curriculum, syllabus and textbook.
- v. Importance of core elements and values in C.C.M
- vi. Meaning and nature of content analysis.
- vii. Factors of content analysis
- viii. Content enrichment of Geography
- ix. Pedagogical analysis of Geography
- x. Knowledge representations of Geography –Meaning, Type and use of Knowledge Representations, General Principal

August 2022

Unit No. 2 : Introduction for Teaching of Geography

- i. Meaning and Nature of Geography.
- ii. Need and importance of teaching of Geography.
- iii. General objectives for teaching of Geography.
- iv. Objectives of teaching of Geography at higher primary level (V to VI)
- v. Objectives of teaching of Geography at secondary and higher secondary level (IX to XII)
- vi. Nature of syllabus – linear, concentric, topic wise.

September 2022

Unit No. 3: Tools & Techniques of Teaching Geography

- i) Teaching Aides
 - a) Non projected aids: maps, charts, atlas, pictures, globes, graphs, models, specimen, black-boards.
 - b) Projected aids: OHP, projector, T.V., slides, etc. meteorological instruments, computer, Multimedia & internet.
 - c) Books : Text book, reference books, Teacher hand book, Journals, News paper.
 - d) Geography room.
- ii) Techniques - observation, Questioning , Loca; Geography, Map reading

October 2022

Unit No. 4: Teaching of Geography

- i. Maxims of teaching of Geography.-(Simple to complex, known to unknown , concrete to abstract, particular to general)
- ii. Correlation between teaching of Geography & School subject (History, Science, Marathi)
- iii Text Book analysis/ Testing

November 2022

Unit No. 5: Basic concepts in Geography

- i. Concepts in Astronomy – universe, solar system, latitude and longitude,
- ii. Local Time and standard time, International Date Line, solar Eclipse,
- iii. Lunar Eclipse
- iii. Basic concepts in physical Geography – structure of Earth, continent
- v. Basic concept in oceanography – sea water, salinity of sea water,
- vi. t sunami, Ocean current, Islands

CPS 1&2 Curriculum and Pedagogic Studies : Science

July 2022

Unit 1 – Meaning, Nature and Importance of Science

- i. Meaning & Nature of science
- ii. Importance of science
- iii. Correlation of science within branches of science & different school subjects.
- iv. Values of teaching science

August 2022

Unit 2 – Content cum methodology in teaching science

- i. Concept of content cum methodology
- ii. Need of C.C. M. in teaching science
- iii. Structure of C.C. M. of science subject
- iv. Concept of pedagogical analysis ,Content analysis and knowledge Representation.

September 2022

Unit 3 – Objectives of teaching Science

- i. General objectives of science at various levels
- ii. Instructional objectives of science as per Bloom`s Taxonomy

iii. Meaning Nature of objective specifications.

iv. Merits of objective specifications.

October 2022

Unit 4 – Methods , Techni ques & Approaches of teaching science

- i. Demonstration Method.
- ii. Inductive Deductive method
- iii. Project Method..
- iv. Problem solving technique and Constructive approach.

November 2022

Unit 5 – Curriculum & Planning of science teaching

- i. Concept & types of curriculum (MSCERT,NCERT & CBSE)
- ii. Concept of syllabus and Methods of construction of science syllabus (Concentric & Topic wise)
- iii. Criteria of Good science Text Book.
- iv. Planning –Year plan, Unit plan, daily lesson plan.

CPS 1&2 Curriculum and Pedagogic Studies: Mathematics

July 2022

Unit 1: Concept and nature of content-cum-methodology

- 1.1 Background of content-cum-methodology
- 1.2 Need and importance of content-cum-methodology
- 1.3 Meaning and concept of content-cum-methodology
- 1.4 Characteristics of content-cum-methodology
- 1.5 Structure of Mathematics

August 2022

Unit 2: Nature of Mathematics and objectives

- 1.1 Nature, Scope, Need and Importance of Mathematics
- 1.2 Place of Mathematics in school curriculum
- 1.3 Correlation of Mathematics with other school subjects
- 1.4 General objectives of teaching Mathematics in primary education
- 1.5 Objectives and it's specifications related to class teaching

September 2022

Unit 3: Teaching-Learning of Mathematics at Upper Primary Level

- 3.1 Approaches of Teaching Mathematics : Activity Based Learning, Constructivist approach
Methods of Teaching Mathematics : Demonstration, Inductive – Deductive, cooperative learning method
- 3.2 Techniques of Teaching Mathematics: Drill and Practice, Questioning, supervised study
- 3.3 Models of Teaching Mathematics: Concept of Models of Teaching, Concept Attainment Model, Mastery learning model

3.4 Problems in Teaching- Learning of Mathematics

October 2022

Unit 4: Planning for Teaching-Learning and Evaluation in Mathematics

Meaning, Importance and Format of-

4.1 Year Planning

4.2 Unit Planning

4.3 Lesson Planning : Types of Lesson Planning – Herbartian Lesson Plan, Constructivist 5 E (Engage, Explore, Explain, Elaborate, Evaluation) Model of Lesson Planning

4.4 Evaluation in Mathematics: Construction of Unit Test along with Blue Print

4.5 Diagnostic Test and Remedial Teaching in Mathematics

November 2022

Unit 5: Mathematics Teacher

1.1 Qualification of Mathematics teacher

1.2 Qualities of a good Mathematics teacher

1.3 Role of Mathematics teacher to inculcate the values

1.4 Teacher as a community of Learners

1.5 Importance of Teacher's Handbook in Teaching Mathematics

1. Prepare unit plan on any one unit from the Mathematics Textbook of Secondary School.

Course –EPC-1 – Various tools, techniques and skills of Teaching

July 2022

Unit 1

- a) Concept, meaning and nature of micro-teaching.
- b) Need of Micro-teaching.
- c) Importance of Micro teaching.
- d) Micro-teaching cycle.

Unit 2

- a) Concept, meaning and nature of Integrated teaching.
- b) Need of Integrated teaching.
- c) Importance of Integrated teaching
- d) Lesson Plan for Integrated teaching

August 2022

Unit 3

- a) Concept, meaning and nature of tools for teaching.
- b) Need of tools teaching.
- c) Importance of tools for teaching.
- d) ICT as a tool

Unit 4

- a) Concept, meaning and nature of techniques for teaching.
- b) Need of techniques teaching.
- c) Importance of techniques for teaching.
- d) Difference between techniques and tools.

EPC - 2 Life skill Education or Disaster Management Life Skills Education

July and August 2022

Unit 1. Life Skills Education

- a) Life Skills Education Meaning, Definitions, Nature and Concept
- b) Components of life skills Education
- c) Need & Importance of Life Skills Education for students.
- d) Scope of Life Skills Education

September and October 2022

Unit 2. Understanding Life Skills

- a) The Ten core Life Skills as laid down by (WHO) World Health Organization
- b) Methods for imparting Life Skills Education
- c) Assessment of Life Skill Education
- d) The role of family and school in Life Skills Education

November and January 2022-2023

Unit 3. Interpersonal relationships

- a) Relationship with your family and Peers.
- b) The Quest- Setting Goals for self
- c) Importance of Interpersonal relationship
- d) Role of family to strengthen Interpersonal relationship

Disaster Management

July and August 2022

Unit 1. Introduction of Disaster Management

- a. Meaning & concept of Disaster Management
- b. Need and Importance of Disaster Management.
- c. Types of Disaster
Natural –Earthquake, Flood, Drought

Manmade – Accident, Terrorism, Fire causes & effects.
- d. Steps of Disaster Management (Three)

September and October 2022

UNIT – 2 Disaster Preparedness of Community Level

- a Disaster preparedness – Individual
- b Disaster preparedness - Society
- c Place of Work – Public residential & commercial places
- d The resource availability working out requirement of disaster teams.

November and January 2022-2023

UNIT – 3 Disaster Risk Reductions

- a Disaster Risk Reduction in school & colleges.
- b Agencies for disasters management at state & national level
- c Teachers Role in Disaster Management.

d Role of community in Disaster Management.

EPC-3 - Reading and Reflecting on Texts- or Parenting Education

July and August 2022

Unit 1. Parenting Education

- a) Parenting Education Meaning, Definitions, Nature, & Scope
- b) goals of parenting Education
- c) Approaches of parenting education
- d) Need & Importance of parenting Education

September and October 2022

Unit 2 The role of Parental involvement in school

- a) Individual parenting education
- b) Role of Parents and other Partners in Parenting.
- c) Influence of Peers, school and electronic media on parenting
- d) Parent Teacher Associations in India

November and January 2022-2023

Unit 3 The role of parents & responsibilities of parenting education

- a) Role and responsibilities of parents in 21st Century
- b) Parent Child Interactions in joint and Nuclear family in India
- c) Various Styles of parenting
- d) Parenting education for Exceptional children.

EPC- 4 Environmental Studies or School Management

Environmental Studies:

July and August 2022

Unit 1: Introduction to environmental studies and Ecosystem

- i. Multidisciplinary nature of environmental studies;
- ii. Components of environment – atmosphere, hydrosphere, lithosphere and biosphere.
- iii. Scope and importance;
- iv. Concept of sustainability and sustainable development.
- v. What is an ecosystem?
- vi. Structure and function of ecosystem;
- vii. Food chain, food web and ecological succession.

September and October 2022

Unit 2: Natural Resources: Renewable and Non-renewable Resources

- i. Land Resources and land use change;
- ii. Land degradation, Soil erosion and desertification.
- iii. Deforestation: Causes and impacts due to mining, dam building on environment,
- iv. Water: Use and over-exploitation of surface and ground water,
- v. floods, and droughts,
- vi. Energy resources: Renewable and non-renewable energy sources,
- vii. use of alternate energy sources,
- viii. growing energy needs,

November and January 2022-2023

Unit 3: Environmental Pollution

- i. Environmental pollution : types, causes, effects and controls;
- ii. Air, water, soil, chemical and noise pollution
- iii. Solid waste management:
- iv. Control measures of urban and industrial waste. Pollution

EPC 4- School Management

July and August 2022

Unit: Introduction to School Management.

- a. Meaning and concept of School Management.
- b. Objectives of School Management.
- c. Scope of school management.
- d. System of School Management

September and October 2022

Unit 2; Role of Head Master and teacher in School Management

- a. Role of Management Council in school management
- b. Role of Head Master in school management
- c. Role of Teacher in school management
- d. Role of Parents and alumni in school management.

November and January 2022-2023

Unit 3: Leadership and School Management

- a. Need of leadership in school management.
- b. Leadership styles for school management
- c. Leadership of Headmaster in school management
- d. Leadership of teacher in school management.

EPC 5 : Micro-teaching & observation of Micro Teaching skills and Simulated lessons

Total 6 lessons for each CPS (Teach+ Re teach= 1 lesson)

July to October 2022

The programme comprises of practicing six skills of teaching from the following list.

- I. Stimulus Variations
- II. Explanation
- III. Questioning
- IV. Narration
- V. Demonstration
- VI. Black Board Writing
- VII. Lesson Planning
- VIII. Set Induction
- IX. Closure
- X. Use of ICT

Each student has to conduct two lessons per skill as per syllabus. I.e. he/she has to conduct 10 micro-lessons. For the teaching Communicative Language Teaching, the following actions are recommended:

- i. Eliciting
- ii. Pair work/Group work

- iii. Using English
- iv. Communicative activities
- v. Using Visuals.

The student teacher has to conduct a lesson with applying any four activities.

b) Mode of conducting Micro lessons:

Teach and re-teach session of micro lessons shall be conducted on one and the same peer groups. Feedback shall be given immediately in critique session.

c) Integration Lessons

After completion of 12 micro lesson on various skills, the student teacher has to conduct 4 Integrated lessons for 15 to 20 minutes each followed by critique Session.

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PE 5: Guidance, Counseling and Inclusive Education

July 2022

Unit 1: Understanding Educational and Career Guidance

- i. Meaning , Need of Guidance
- ii. Objectives of Career Guidance: self-understanding, self-discover, self-reliance, self-direction, self-actualization.
- iii. Scope of Career Guidance programme, process and factors affecting career development.
- iv. Career development needs of the students

Unit2: Essential Services in Educational Guidance Programme

- i. Types of guidance services: orientation, information, counseling, placement, Follow-up, and research & evaluation.
- ii. School guidance committee: constitution, roles and functions.
- iii. Place of guidance in school curriculum
- iv. Role of principal and teachers in school guidance programmes.

August 2022

Unit 3: Understanding Counseling

- i. Meaning, nature and scope of counseling.
- ii. Objectives of counseling: resolution of problems, modification of behavior, promotion of mental health.
- iii. Relationship between guidance and counseling.
- iv. Stages and techniques of the counseling process.

Unit 4: Types and Guidance and Counseling

- i. Types of Guidance : Educational, Vocational and Career
- ii. Uses of group process in counseling
- iii. Areas of counseling: family counseling, parental counseling, adolescent counseling, counseling of girls, counseling of children belonging to special groups
- iv. Peer counseling: Its concept and the relevance to the Indian situation

September 2022

Unit 5- Introduction to Inclusive Education

- i. Concept and characteristics of inclusive Education.
- ii. Objectives and scope of Inclusive Education.
- iii. Advantages of inclusive Education for the Individual and society.
- iv. Difference between special education, integrated education and inclusive education.
- v. Recommendations of education Commissions and Committees on Inclusive Education.
- vi. National and International initiatives for inclusive education.

Unit 6-Teacher Preparation for Inclusive Education

- i. Skills and competencies of teachers and teacher educators for secondary education in inclusive settings.
- ii. Roles, responsibilities and professional ethics teacher in Inclusive education .
- iii. N.C.F 2005 and NCFTE 2009 curriculum for teacher preparation and transaction modes.

- iv. Basic techniques and tools of inclusive evaluation of cognitive and non cognitive outcome.
- v. Role of different national and international agencies (institutions, universities) in promoting inclusive education.
- vi. Recent trends of research in Inclusive Education.
- vii. Supportive Services for inclusion and research.

October 2022

Unit 7- Children with Diverse Needs and Utilization of Resources

- i. Definition and characteristics of children with sensory (hearing, visual and physically challenged) social and emotional problems - scholastic backwardness, underachievement , slow learners, children with special health problems, environmental.
- ii. Role of teachers working in inclusive School and resource fo r teacher in developing academic skills.
- iii. Role of technology for meeting diverse needs of learners.
- iv. Types of services approaches, strategies, personnel involved and their specific roles and responsibilities.
- v. Identifying the required resources for children with varied special needs.

Unit 8 -Socially Disadvantaged Children in India: Status and Provisions

- i. Meaning of socially disadvantaged children,
- ii. Socially disadvantaged section in India-the scheduled castes, scheduled tribes, educationally backward minorities and slum children.
- iii. Provisions in the Constitution of India for social group equity and education of socially disadvantaged sections.
- iv. National Policy on Education (1986), POA, 1992 and National Curriculum Framework, 2005.
- v. Achievement of socially disadvantages children.

Practical: Prepare a term paper on various components of Guidance and Counseling
From November to March students are allotted internship

PE 6: Assessment and Evaluation in School Education

July 2022

Unit 1: Concept and Purpose of Evaluation

- i. Basic Concepts- Mesearmrent, Assessment and Evaluation
- ii. Relation ship among Mesearmrent, Assessment and Evaluation
- iii. Teaching learning process in school and Evaluation
- iv. Other terms- Appraisal, Tests and Examinations

Unit 2: Perspectives on Assessment and Evaluation

- i. Meaning of Assessment, , Appraisal, and Evaluation and their interrelationships
 - ii. Principles of assessment and evaluation,
 - iii. Behaviourist, Cognitivist and Constructivist Perspectives
 - iv. Purposes of Assessment:
 - v. Classification of assessment:
 - vi. Need for continuous and comprehensive assessment
- School based assessment; Continuous and comprehensive Evaluation

August 2022

Unit 3: Assessment of Learning

- i. Dimensions of learning: cognitive, affective and performance
- ii. Assessment of cognitive learning: Concept
- iii. Assessment of affective learning: Concept
- iv. Assessment of Performance: Concept
- v. Grading: Concept, Types and Application: indicators for grading; CBSE and State evolved indicators
- vi. Meta-cognition and development – need for continuous, formative and diagnostic assessment
- vii. Assignments Developing Performance Tasks (Subject Specific)
- viii. Assessment of Group Processes - Collaborative/Cooperative Learning and Social skills
- ix. Self, Peer and Teacher Assessments

Unit 4: Techniques and Tools of Evaluation:

A) Techniques

- i. Concept of Test
- ii. Self report techniques
- iii. Assignments
- iv. Observation Techniques
- v. Peer Assessment
- vi. Project work
- vii. Debates.
- viii. School Club Activities

B) Group Assessment

- i. Co-operative learning and social skills
- ii. Seminar and reports as a assessment techniques

September 2022

Unit 5: Tests for Evaluation in Schools

- i. **Commonly used test-**
 - a. Achievement test,
 - b. Aptitude test,
 - c. Achievement test verses aptitude test,
 - d. Performance based achievement test
- ii. **Dignostic tests and remedial activities**
 - a. Dignostic tests
 - b. Remedial activities
- iii. **Question Bank and oral test:**
 - a. Nature, need and importance of Question Bank
 - b. Nature, need and importance of Oral Test

Unit 6: Teacher Made Achievement Test

- i. Concept and purpose of Teacher Made Assesment Test
- ii. Types of Teacher Assesment Test- Objective type items and Essaytype items
- iii. Construction of Teacher Made Assesment Test – Identifying instructional objectives, making the design, preparing blue print, writing the test item, making schemes
- iv. Administration of Teacher Made Assesment Test
- v. Classroom Assesment
- vi.

October 2022

Unit 7: Planning, Construction, Implementation and Reporting of assessment

- i. Differentiation between instructional, learning and assessment
- ii. Nature and form of assessment - oral tests and written tests,
- iii. Open book examination
- iv. Guidelines for construction and administration of test
- v. Analysis and Interpretation of Students' Performance
- vi. Processing of performance test : calculation of percentages, central tendency measures, graphical representations, and interpreting performance
- vii. Role of Feedback in Improving teaching and Learning

Unit 8: Reforms in Assessment and Evaluation

- i. Policy perspectives on examinations and evaluation reflected in NCF 2010
- ii. Comprehensive and continuous Evaluation
- iii. Preparation and use of question bank
- iv. Use of Grading Assessment and Evaluation
- v. Application of Percentile for Merit list
- vi. Online examination

CPS 3&4 : Curriculum and Pedagogic Studies English

July 2022

Unit -1 Aspects of English Language

- i. **Prose-** Meaning of prose, Objectives of teaching prose, Types of prose- Novel, Story, Autobiography, Biography, Composition, essay, Drama and play, Teaching of prose, Steps in teaching prose, Methods of teaching prose
- ii. **Poetry-** Definition of poetry, objectives of teaching poetry, Types of poetry, Steps in the teaching of poetry, Methods of teaching poetry and Advantages of teaching poetry
- iii. **Grammar-** Meaning of grammar, Objectives of Teaching Grammar, Types of Grammar, Methods of teaching grammar, and merits of teaching grammar.
- iv. **Composition-** Meaning of Composition, objectives of teaching Composition, types of composition, Principles of teaching Composition and merits of teaching composition.

Unit -2 Acquisition of Second Language

- i. Language acquisition: Meaning and Concept
- ii. Meaning of Second language acquisition
- iii. Language acquisition vs. language learning
- iv. Second language acquisition theories : a) Acculturation Theory b) Contrastive Theory c) Identity theory d) Monitor Theory e) Classroom implications of the theory
- v. The factors that influence the acquisition of a second language
- vi. Oral communication development through acquisition activities
- vii. The five stages of second language acquisition
- viii. The Role of the First Language in Second Language Acquisition

August 2022

Unit -3 Grammar Content Enrichment

- i. Articles
Clauses and its Functions
- ii. Determiners –Functions
- iii. Reported Speech
- iv. Transformation- Degree, Voice, either-or, neither-nor, Remove “too”, so-that, hardly-when, if-not, unless, no sooner-than, as soon as, affirmative, negative.
- v. Exclamatory, Interrogative and question tag
- vi. Figures of Speech – Simile, Metaphor, personification, Apostrophe, hyperbole, Antithesis, Irony, Pun, Transferred epithet, Climax.

Unit-4 Application of Functional English Language

- i. Letter writing
- ii. Essay writing
- iii. Report writing
- iv. Dialogue writing
- v. Story writing
- vi. Writing summary

September 2022

Unit -5 Teaching Language through Literature

- i. Teaching Language through literature
- ii. Literature in ELT
- iii. Challenges to be faced when using literature in the Classroom
Usage of Literary Texts in ELT
- iv. Teaching Literature: why and what?
- v. Reasons for Using Literary Texts in Second Language Classes
- vi. Literature as a Model for Writing
- vii. Benefits of Different Genres of Literature to Language

Unit-6 From Theory to Practice: Constructivism in ELT

- i. Constructivism: Meaning and Concept
- ii. Two Approaches to Constructivism: a) Cognitive Constructivism b) Social Constructivism
- iii. Understanding the Theory of Constructivism from an Instructional Design perspective
- iv. Constructivist Instructional Design Models
Implications of Constructivism for ELT Pedagogy
- v. Suggestions for Teaching with the Constructivist Learning Theory
- vi. Constructivist Activities in the ELT Classroom
- vii. Limitations of Constructivism

October 2022

Unit-7 Curricular, Co-curricular and Extra-curricular Activities for English Language Development

- i. Meaning and concept of Curricular, Co-curricular and Extra-curricular Activities.

- ii. Need and importance of Curricular, Co-curricular and Extra-curricular Activities
- iii. CCE Programmes /Activities to develop various Skills in English (Listening, Speaking, Reading, Writing and Communication)
- iv. Integration of activities for the personality development
- v. Need and importance of Curricular, Co-curricular and Extra-curricular Activities

Unit-8 Teaching English Language through Movies

- i. Relation Between Movies and ELT / ELL
- ii. **Criteria of Selection of the Movies** : Previewed and Selected Carefully, Density of the Language, Similarity between the Aims and Objectives of the Movies and Textbook, Proficiency level of the Students and Comprehensibility of the Movie, Enough Visual support, Delivery of Speech, Linking the movie with Syllabus.
For instance – Criteria of the Movies selection: a) Documentaries b) Historic Narratives c) Historical Drama d) Educational Films e) Social issues films f) Drama g) Mystery and Suspense h) Animated Films i) Humorous Films
j) Cartoons.
- iii. The Effects of Movies on English Language Learning
- iv. Role of Movies in Language Skill Development (LSRWC)
- v. Vocabulary Enrichment through Movies
- vi. Merits and Demerits of using movies in teaching of English as a second language.

CPS 3&4 Curriculum and Pedagogic Studies: History

July 2022

Unit 1 Introduction and Comprehensive study of CCM History

- 1.1 Concept and nature of CCM
- 1.2 Structure of CCM
- 1.3 Factors of Content analysis
- 1.4 Co-relation between Syllabus, Curriculum and Textbook

Unit 2 Aspects Related to Civics sense and

- 2.1 Values in CCM History
- 2.2 Life Skills
- 2.3 Importance of Core elements in CCM
- 2.4 Pedagogical analysis of History

August 2022

Unit 3 Use of Teaching Aids in teaching

- 3.1 Meaning and importance of teaching aids
- 3.2 Understand the nature and importance of teaching aids
I Charts II . Map III. Pictures IV. Models V .Films VI. VDO Clips

VII . LCD Projector)

Unit 4 Various Issues in related History

- 4.1 Importance of History Room
- 4.2 Importance of Museum
- 4.3 Activities to preserve Historical places
- 4.4 Planning of Field Visit

September 2022

Unit 5 Models of teaching

- 5.1 Jurisprudential model
- 5.5 Classroom Meeting model
- 5.3 Advance organizer model

Unit 6 Teacher Qualities and Teaching as a profession

- 6.1 Characteristics of History Teacher
- 6.2 Importance of In-service training course (orientation and Seminars)
- 6.3 Competences of History Teacher
- 6.4 Professional Characteristics of History Teacher
- 6.5 Profession and occupation

October 2022

Unit 7 Modern History of India

- 1.1 Economic, Societal and Religious Consequences of British Empire
- 1.2 Indian Freedom Movement (1857 -1947)
- 1.3 India after Independence
- 1.4 Preamble, Fundamental Rights and Duties
- 1.5 Social Reform Movement in India

Unit 8 Modern History of World

- 8.1 Industrial revaluation
- 8.2 Political revolution- America, French, Russia
- 8.3 First and Second World War(Causes and Impacts)
- 8.4 World Peace Movement League of nation and UNO

Practical- Prepare Improvised Teaching Aid on any unit of CPS 3 & 4

July 2022

Unit No. 1: Planning and Evaluation

- i. Concept, Need and Importance of teaching Geography.
- ii. Annual plan, unit plan, lesson plan.-prepare various method used to lesson plan
- iii. Construction of unit test, blue print
- iv. Development of Question bank
- v. Type's of Examination – written, oral and Practical
- vi. Approach of continuous and comprehensive Evaluation

Unit No. 2: Teaching of Geography

- i. Methods of teaching of Geography - Excursion method, Journey method, demonstration Method, Experimental method, regional method, project method, field trip, co-operative learning.(meaning principle, characteristics & their merits & limitations)
- ii. Models of teaching of Geography- Concept attainment Model Juries prudential model, Inquiry training model and advance organizer model (meaning & steps)

- iii. Constructivism approach
- iv. Flips classroom

August 2022

Unit No. 3: Geography Teacher

- i. Qualities of a Geography teacher
- ii. Need of professional development of Geography teacher
- iii. Need and Importance of in-services teacher training of Geography
- iv. Need and Importance of ICTE in Teaching of Geography
- v. Explores in geography – Columbs, Gailio, Copernikus, Francis Galton

Unit No. 4: Advance concepts in Geography –

- i. Advance concepts in climatology – Atmosphere and climate, Global warming, Green house effect, winds Rainfall, cloudburst.
- ii. Advance concepts in Regional Geography – Natural regions, Natural region of India,

Neighboring country's of India – Israel, Saudi Arabia, Maleshiya, Japan, Shrilanka

- iii. Advance concepts in Human Geography – Environment, Population and settlement, pollution
- iv. Industries , trade and transportation in India ,
- v. Tourism of India , trekking,
- vi. Renewable and non-renewable Energy.

September 2022

Unit No. 5: Nature of Earth:

- i. Structure of the earth- Interior and exterior, continent and ocean and their distribution
- ii. Major land formation
- iii. Types of Rocks
 - a) Volcano-causes and effects, formation of igneous rocks
 - b) weathering-denudation and deposition, formation of sedimentary rocks

- c) Slow crystal – Vertical & Horizontal movements and their effects, earthquakes, metamorphic rocks

Unit No. 6: Water resources:

- i) work of running water, Ground water
- ii) Work glacier
- iii) Properties of sea water
- iv) Ocean currents and their effects, tsunami and its effects
- v) Island

October 2022

Unit No. 7: Issues and Activities in Geography

- I. Environmental act degradation
- II. Population explosion
- III. Terrorism
- IV. urbanization
- V. Deforesting
- VI. Various organisations of geography

Unit No 8: Teaching learning resources

- i) Field Visits
- ii) Surveys
- iii) Reports
- v) E-resources- computer /technology based online & offline resources.
(youtube, Wikipedia, educational blogs, websites , social media)

Practical: Prepare Improvised Teaching Aid on any unit of CPS 3 & 4

CPS 3&4 : Curriculum and Pedagogic Studies - Mathematics

July 2022

Unit 1: Mathematics Curriculum at Secondary School Level

- i. Concept of curriculum, difference between syllabus and curriculum
- ii. Need and Importance of Mathematics in School Curriculum
- iii. Principles of formulating Mathematics curriculum
- iv. Characteristics of a good curriculum
- v. Recent Trends of Curriculum Development

August 2022

Unit 2: Approaches, Methods and Models of teaching Mathematics

- i. Approaches of teaching Mathematics : Concept Mapping approach, Blended learning approach
- ii. Methods of teaching Mathematics : Analytic-Synthetic method,

- iii. Experimental Method, Heuristic method
- iv. Models of teaching Mathematics : Inquiry training model, Advanced organizer model
- v. Formulation of conjecture and generalizations through several illustrations
- vi. Concepts : core elements, life skills and values (Government of Maharashtra included in the education)

September 2022

Unit 3: Learning Resources and ICT for Mathematics Teaching-Learning

3.1 Learning Resources: Definition, Types of Learning resources, Importance of Learning Resources

3.2 Selection of Learning Resources

3.3 Mathematics Laboratory (Concept & Importance) & Mathematics club (Concept, Importance & Activities)

3.4 Textbooks – Characteristics of a Mathematics textbook and its Critical Analysis

3.5 ICT as Learning Resource: Use of ICT in Learning and teaching of Mathematics

October 2022

Unit 4: Mathematics for All

1.1 Identifying learners strength and weaknesses

1.2 Mathematics club

1.3 Mathematics contests, Quiz and Fairs

1.4 Supplementary text materials

1.5 Recreational activities : Games, puzzles and riddles in Mathematics

November 2022

Unit 5: Assessment and Evaluation

5.1 Role of assessment in Mathematics

5.2 Concept of continuous and comprehensive evaluation in Mathematics

5.3 Formative assessment & Summative assessment

5.4 Tools and Techniques of Assessment of Learning Mathematics

5.5 Assessment of Learning of Mathematics in Children with Special Needs

CPS 3&4: Curriculum and Pedagogic Studies: Science

July 2022

Unit 1 – Methods, Techniques of Teaching Science

1) Laboratory Method.

2) Field trip Method.

3) Heuristic Method.

4) Programme Learning technique

August 2022

Unit 2 – Models of Teaching

- 1) Concept & Classification of models of teaching
- 2) Concept attainment model
- 3) Advance Organizer model
- 4) Jurisprudential model

September 2022

Unit 3 – Facilities and equipments for science teaching

- 1) Science Laboratory
- 2) Educational technology Laboratory.
- 3) Use of ICT in science teaching,
- 4) Advance ICT technology for students self-learning

October 2022

Unit 4 – Evaluation and Test

- 4) Concept of continuous comprehensive evaluation.
- 2) Types of exams – written, oral, practical
- 3) Construction of unit test & development of question bank
- 4) Diagnostic test & Remedial teaching

November 2022

Unit 5 – Science Teacher

- 1) Essential Academic qualification for science teacher at various school level.
- 2) Special qualities of good science teacher.
- 3) Professional development of science teacher.
- 4) Role of Science teacher for environment awareness and sustainable development.

EPC-6 Applied paper on Internship-

July, August, September October and

November 2022

Unit no 1- Introduction to Internship

1. Meaning and concept of Internship
2. Characteristics of Internship
3. Planning and Implementation of Internship
4. Introduction to school

Unit no 2- Functions of School

1. Nature of School Infrastructure
2. Curricular and co-curricular activities in School
3. School and Community – nature and scope
4. Role and responsibilities of Head Master

Unit no 3- Teacher as a facilitator

1. Role of Teacher as a facilitator
2. Teaching as Profession
3. Changing role of teacher
4. Student-teacher relationship

Unit no 4- Educational Research

1. Meaning , nature and scope of Educational Research
2. Meaning , nature and scope of Action Research
3. Need and Importance of Research to teacher for professional development.
4. Proposal writing of Action Research

EPC- 7: Drama and Art in Education or Critical Understanding of ICT-

July and August 2022

Unit 1: Introduction to Concepts of Drama and Art

- a) Forms of Drama and Art – Visual and Performing
- b) Elements of Drama and Art
- c) Understanding stagecraft and audience etiquettes - (set designing, costumes, props, lights, and special effects) and audience etiquettes
- d) Significant role of art, music and drama in education.

September and October 2022

Unit 2: Application of Drama and Art in Education

- a) Functions of Drama and Art - Information, Instructive, Persuasive, Educative, Entertainment, Development
- b) Integration of Drama and Art in the school curriculum
- c) Developing aesthetic sensibility through Drama and Art
- d) Drama as a tool for children’s creativity and aesthetic sensibilities

November and January 2022 - 2023

Unit 3: Drama and Art for Pedagogy

- a) Drama and Art for self-realization
- b) Drama and Art for children with special needs

- c) Drama and Art for creative expression
- d) Drama as a approach in teaching of languages and Social sciences
- e)

EPC-7 Critical Understanding of ICT-

July and August 2022

Unit no 1- Introduction to ICT

- i. Concept and nature of ICT
- ii. Significance of ICT in Education
- iii. Use of ICT in Teaching and Learning

September and October 2022

Unit no-2- ICT as a tool

- i. ICT for school Administration
- ii. ICT for educational Evaluation
- iii. ICT for Effective Communication

November and January 2022-2023

Unit no -3: Use of ICT in teaching.

- i. ICT enabled Teaching of Languages.
- ii. ICT enabled Teaching of Social Sciences
- iii. ICT enabled Teaching of Sciences and Maths.

EPC 8:

School Lessons: Practice Teaching & observation for School lessons (8) each of CPS 3, CPS 4

Lessons are conducted in school in the month of September and October

EPC 9 - School Internship- (Internship Programme for 15 weeks in recognized secondary school approved by University.)

Internship programme is from December to March