COURSES OF STUDIES For Four Years Integrated BA/BSc B.Ed. (CBCS System) Session 2021-2022 onwards



SCHOOL OF EDUCATION GANGADHAR MEHER UNIVERSITY, AMRUTA VIHAR, SAMBALPUR, ODISHA-768004

Graduate Level Attributes of Integrated BA/BSc B.Ed.

- To develop disciplinary area-specific skills, generic skills and attributes of the pupilteachers.
- Demonstrate core values such as
 - Commitment to the profession or job requirements; values that guide the profession; and seeking out new challenges/assignments that improve student learning;
 - Honouring diversity and ensuring inclusion by treating all students and colleagues with respect and dignity, showing respect for and sensitivity to gender, cultural and religious difference; and challenging prejudice, biases and intolerance in the workplace etc.;
 - 3) Ethical integrity which involves maintaining ethical standards; resisting pressure in decision making; displays honest behaviour; and not abusing power/authority.
- Core competencies such as
 - 1) Communication skills required to articulate thoughts and ideas clearly/effectively using oral and written communication skills, and to present information and explanations in a well-structures and logical manner;
 - 2) Working effectively with students and their parents which involves interacting with students, parents and community members to know the students, their family and social and cultural contexts; determining learning readiness/prerequisites required by students; and Identifying their learning difficulties; and
 - 3) Drive for achieving improved student learning outcomes.
- Demonstrate professional/technical knowledge (What prospective teachers are expected to know) of the physical, social and intellectual development and characteristics of students and how these may affect learning; undertaking research into how students learn and the implications for teaching; and identifying teaching strategies that are responsive to the learning strengths and needs of students from diverse linguistic, cultural, religious and socioeconomic backgrounds.
- Demonstrate knowledge and understanding of: strategies for differentiating teaching to meet the specific learning needs of students across the full range of abilities; teaching strategies that support participation and learning of differently-abled students; both school education and teacher education-related subjects, including concepts, substance and structure of the content, and approaches to organising content into an effective learning sequence.
- Demonstrate knowledge required to design learning sequences and lesson plans; implement teaching strategies using ICT to improve teaching-learning process; set explicit, challenging and achievable learning goals for all students; and plan and implement well-structured learning and teaching programmes or lesson sequences that engage students and promote learning.
- Demonstrate professional competencies/practice (What prospective teachers will be able to do) that are required to select and use relevant teaching strategies to develop

knowledge, skills, problem solving and critical and creative thinking; select and/or create and use a range of resources, including ICT, to engage students in their learning; use effective verbal and non-verbal communication strategies to support student understanding, participation, engagement and achievement; evaluate teaching and learning programmes using evidence, including feedback from students and student assessment data, to inform planning; establish and implement inclusive and positive interactions to engage and support student participation in classroom activities.

- Demonstrate professional competencies/practice that are required to manage classroom activities by establishing and maintaining orderly and workable routines to create an environment where student time is spent on learning tasks; manage challenging behaviour by establishing and negotiating clear expectations with students and address discipline issues promptly, fairly and respectfully; ensure students' well-being and safety within school by implementing school and/or system, curriculum and legislative requirements; and incorporate strategies to promote the safe, responsible and ethical use of ICT in learning and teaching.
- Demonstrate professional competencies/practice that are required to develop, select and use informal and formal, diagnostic, formative and summative assessment strategies to assess student learning; provide timely, effective and appropriate feedback to students about their achievement relative to their learning goals; participate in assessment moderation activities to support consistent and comparable assessment of student learning; use student assessment data to analyse and evaluate student understanding of subject/content, identifying interventions and modifying teaching practice; and report on student achievement, making use of accurate and reliable records.
- Demonstrate competencies and actions required for keeping oneself professionally engaged and participate in learning to update knowledge and practice, targeted to professional needs and school and/or system priorities; contribute to collegial discussions and apply constructive feedback from colleagues to improve professional knowledge and practice; meet codes of ethics and conduct established by the education systems and schools; establish and maintain respectful collaborative relationships with parents/guardians regarding their children's learning and wellbeing and anticipate in professional and community networks and forums to broaden knowledge and improve practice.

Programme Outcomes(POs)

- **PO1 Analysis of Complex Problems:**Assess and analyze the issues and complex problems related to the field of education.
- **PO2** Self-Directed Learning: Applies self-directed learning, critical thinking, abstract reasoning, creativity and problem-solving skills.
- **PO3 Moral Values and Democratic Attitudes:**Demonstrates creative thinking, moral values, and democratic attitudes to help in understanding the relations between objects and phenomena related to respective subjects in classroom practice.
- **PO4 Interdisciplinary Approach:**Describes how interdisciplinary and trans-disciplinary approach functions.
- **PO5 Knowledge Elaboration:**Elaborates knowledge and performance competencies in science, mathematics and Social Science for the growth of society.
- **PO6 Professional Ethics and Reflective Practices:**Exhibits critical awareness of professional ethics, code of conduct, social cultural values, human dignity and ability to critically engage in reflective practices.
- **PO7** Knowledge Selection: Explains the logic behind selection of knowledge and develops ability to imply the knowledge for developing a professional attitude.
- **PO8 Knowledge Selection Logic:**Plans investigatory projects under guidance of faculty members and communicates their findings through seminar/workshop
- **PO9 Creation of Teaching-Learning Resources:**Prepares low-cost/no-cost materials to demonstrate scientific concepts in classroom teaching.
- **PO10Assessment Framework:**Develop framework of assessment for learning, of learning, and as learning.

Programme Specific Outcomes (PSO)

- **PSO1 Effective Teaching Planning and Delivery:** Student teachers will be proficient in planning and delivering effective teaching sessions, demonstrated through the development and execution of well-structured lesson plans in two school subjects.
- **PSO2** Assessment and Remediation Expertise: Pupil teachers will possess advanced skills in student assessment, remediation, and action research, evidenced by the preparation and administration of comprehensive continuous and comprehensive evaluation (CCE) activities, diagnostic tests, and effective remediation strategies.
- **PSO3 Holistic Understanding of School Context:** Students will acquire a comprehensive understanding of the school environment, including infrastructure, facilities, and community dynamics, as demonstrated by the creation of detailed school profiles and the analysis of learner performance within the school context.
- **PSO4** Active Participation in School Activities: Graduates will actively engage in and organize a variety of curricular and extracurricular activities within the school, showcasing leadership and organizational skills through events such as sports, debates, art, music, and cultural activities.
- **PSO5Community Engagement and Interaction:** Students will develop strong ties with the local community, conducting surveys, interacting with community members, and

participating in meetings with School Development and Management Committees (SDMC/SMC), Parent-Teacher Associations (PTA), and Mentor Teachers.

- **PSO6Ethical and Reflective Professionalism:** Students will develop a strong ethical foundation and reflective professionalism, adhering to codes of conduct, maintaining professional integrity, and engaging in ethical practices. This will be evident through their reflective journals, ethical decision-making, and adherence to professional norms.
- **PSO7 Multicultural Competency and Inclusive Spirit:** Graduates will demonstrate multicultural competency and an inclusive spirit by adapting teaching methods to diverse cultural contexts, recognizing and valuing cultural differences, and fostering an inclusive learning environment.
- **PSO8 Effective Communication Skills:** Graduates will exhibit effective communication skills, both verbal and written, in their interactions with students, colleagues, parents, and the broader community, enhancing their ability to convey information and ideas clearly and persuasively.
- **PSO9** Community Service and Teamwork: Students will actively engage in community service activities, collaborating with the community, participating in team projects, and contributing to the betterment of society.
- **PSO10 Inquisitiveness for Research:** Graduates will cultivate an inquisitive mind-set, demonstrating curiosity and an eagerness for research in the field of education. This includes the ability to critically evaluate educational practices, explore innovative methods, and contribute to the knowledge base in education.

Programme Structure at a Glance

Integrated BA/BSc B.Ed. programme comprising four years, will be divided into eight (08) semesters, 84 credits and 2000 marks

Year	Semester	Credit	Marks
1^{st}	Ι	08	200
	II	08	200
2^{nd}	III	04	100
	IV	04	100
3 rd	V	08	200
	VI	08	200
4^{th}	VII	24	550
	VIII	20	450
r.	Fotal	84	2000

Semester Wise Detailed Course Structure and Distributions of Marks

The detail of title of papers, credit hours, division of marks etc. of all the papers of all Semesters is given below.

SEMESTER-I

Papers Distribution of Marks Total Credi
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Papers No.	Title	Theory		Practical	Marks	Hours
		Mid Term	End Term			
PE-1	Basics in Education	15	60	25	100	04
PE-2	Childhood and Growing Up	15	60	25	100	04
	Total					08

SEMESTER-II

Papers		Distribution of Marks				
Papers No.	Title	Theory		Practical	Total	Credit
		Mid Term	End Term		Marks	Creun
PE-3	Learning and Teaching	15	60	25	100	04
PE-4	Assessing Learning	15	60	25	100	04
		Total			200	08

SEMESTER-III

Papers Distribution of Man		Iarks				
Papers No.	Title	Theory		Practical	Total	Credit
		Mid Term End			Marks	Credit
			Term			
	Knowledge					
PE-5	and	15	60	25	100	04
	Curriculum	15				
	Total					04

SEMESTER-IV

Papers		Distribution of Marks				
Papers No.	Title	Theory		Practical	Total	Credit
		Mid Term	End Term		Marks	Crean
CPS-1	Language across curriculum	10	40		50	02
EPC-1	Learning to Function as a Teacher	Internal Practicum		50	50	02

Total	100	04			

SEMESTER-V

]	Papers	ers Distribution of Mar		Marks		
Papers	Title	Theory Practical		Total	C 1:4	
No.		Mid Term	End Term		Marks	Credit
CPS-2 (Part-I)	Pedagogy of Odia, English, Mathematics Biology	15	60	25	100	04
CPS-3 (Part-I)	Pedagogy of Social Science and Physical Science	15	60	25	100	04
	·	Total			200	08

SEMESTER-VI

Papers		Disti	ribution of N			
Papers	Title	The	ory		Total	Credit
No.		Mid Term	End Term	Practical	Marks	Creun
CPS-2 (Part-II)	Pedagogy of Odia, English, Mathematics and Biology	15	60	25	100	04
CPS-3 (Part-II)	Pedagogy of Social Science and Physical Science	15	60	25	100	04
	•	Total		1	200	08

	Papers	Distributio	n of Marks	Total	Credit
Papers No.	Title	Theory	Practical	Marks	Crean
EPC-4	Understanding the Self		50	50	02
EPC-5	Arts in Education		50	50	02
EPC 6	ICT Practicum		50	50	02
EPC 7	Library resources		50	50	02
EPC-8	Reading and Reflecting on Texts		50	50	02
EF 1	School Exposure			Grade	02
EF-2	School Exposure(Multicultural Placement)		50	50	02
EF 3	School Internship		250	250	10
	Total	Nil	550	550+Grade	24

SEMESTER-VIII

	Papers	Distribution of Marks				
Papers No.	Title	The	eory	Practica	Total	Credit
		Mid Term	End Term	1	Marks	Creun
PE-6	Creating an Inclusive Classroom	10	40		50	02
PE-7	Educational Planning, Management and Leadership	15	60	25	100	04
PE-8	Schooling , Socialization and Identity	15	60	25	100	04
PE-9	Vision for Indian education	15	60	25	100	04
EPC 2	Understanding ICT and Its Application	10	40		50	02
EPC 3	Health, Yoga and Physical Education	10	40		50	02

EF 4	Working with Community	 	 Grade	02
	Total		450+Grade	20

SEMESTER-I

PE1:Basicsof Education Credit-04

Course Outcomes

On completion of this course, the pupil-teacher will be able to

CO1	State the narr	ow and broad n	neaning of edu	cation	
CO2		us modes and p	U		
CO3	Compare				
mea	aning,natureand	processofeduca	ationfromorien	ntalandwest	ernperspectives.
CO4	Explain	various	bases	of	education -
phi	losophical,socio	ologicalandpsyc	chologicalfoun	dations æd	lucation.
CO5	Critically eva	aluate and app	ly thoughts o	f Indianan	dWesternphilosophersin
edu	cational contex	t.			
CO6	Justify how e	educationis a s	ocial sub syst	em which	is influenced by social
cha	inge processes l	ikeurbanization	,cultureand pr	ivatization.	

CO7 Elaborate the linkage between education and various dimensions of national development.

Unit-IEducation:Meaning,ProcessandPurpose (Number of classes-10)

- Education:Derivationalmeaning,broadandnarrowmeanings,Orientalandwesternvie wson education
- Natureandprocess:Bipolar,tri-polarandmulti-polar; Schoolingandlifelongprocess
- Modes:Formal, Informal andNonformal
- Purpose:individualandsocial ofaimsofeducation;aimsofeducationasperthe SEC (1952-53), EducationCommission(1964-66) andNPE,1986

Unit-IIFoundationofEducation(Number of classes-10)

- Philosophical:Meaningandrelationshipbetweenphilosophyandeducation;Impactof philosophy on aims, curriculum, school organisation and pedagogy with referencetoIdealism, Naturalism and Pragmatism.
- Sociological: Meaning and relationship between sociology and education; Impact ofsociologyon aims, curriculum, school organisationand pedagogy.
- Psychological: Meaning and relationship between psychology and education; Impactofpsychologyonaims, curriculum, school organisation and pedagogy.
- $\bullet \quad Education althoughts of Mahatama Gandhi, Rabindranath Tagore, Swami Vivekan and a$

andShriAurobindo with reference to aims ,curriculum and methods of teaching.

• Educational thoughts of Rousseau, Plato and Dewey with reference to aims, curriculum and methods of teaching.

Unit-III Education, Society and Culture

(Number of classes-10)

- Social system: education as sub system of social system and their inter relationship.Socialchange; Meaning, dimensions and role of education for social change
- Education and Modernization: Meaning, nature and role of education formodernization
- Educationandculture:Meaningandroleofeducationforconservation,transmissionandpro motionofculture.Educationasprocessof acculturationandenculturation
- Privatizationineducation:Conceptandtypes; Its impactoneducation

Unit-IV:Education and National Development (Number of classe-10)

- EducationforNationalDevelopment:Dimensionsandindicators;roleofeducationforNatio nal Development
- EducationfordevelopmentofHumanResources:indicatorsofqualityhumanresourceand roleof education
- Education for inclusive development:Meaning and dimensions(social, economic,cultural, political,technologicalandspatial), Strategies for promoting inclusion, Role of education.

Mode of Transaction:

- Lecture cum discussion method
- Question and answering,
- Computer assisted learning'
- Activity based

Practicum(Number of Classes-08)

Eachstudentwillcarryoutanyoneoftheactivities, submitare portand faceviva examto be conducted by both internal and external examiners.

- Prepare a report on the aims of education as recommended by educational thinkers for comparative analysis.
- Prepare and present a seminar paper ontheaimsofeducationasperthereportofSecondaryEducationCommission,IndianEduca tionCommission,and NationalPolicyonEducation(1986).
- Prepareaterm paper on philosophical, sociological and psychological foundations on school curriculum, organization, textbook, methods of teaching.
- Prepare a report to comparesimilarity and differences between educational ideas of Indian and Western philosophers.
- Prepare a field study report of a nearby locality on criteria of inclusive development and suggest strategy for it.
- Any other task/assignment given by the institution

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
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CO1	-	-	-	-	3	-	1	1	-	-
CO2	2	-	3	1	-	-	-	-	-	-
CO3	1	3	2	1	-	-	-	-	-	-
CO4	2	-	3	1	2		-	-	-	-
CO5	3	-	2	-	-	3	2	-	-	-
CO6	-	-	2	-	3	2	-	-	-	-
CO7	-	-	2	-	1	2	-	-	-	1

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	F	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3		3	2	3	1	1	1	1	-	-

Slight (Low) 2. Moderate (Medium) 3. Substantial (High) SuggestedReadings

- Ant Weiler, C. (1998). Low Knowledge and Local Knowing: An AnthropologicalAnalysisofContested "CulturalProducts" in the Context of Developme nt. Anthropos, 93:46-94.
- Butchvarov, P. (1970), *The Concept of Knowledge*, Evanston, Illinois: North WesternUniversityPress.
- Chomsky, N.(1986). Knowledge of Language, Prager, New York.
- Datta, D.M. (1972). Sixwaysof Knowing. Calcutta University Press, Calcutta.
- Dewey, J. (1956). *The Childand the Curriculum and School and Society*, University of Chicago Press, Chicago, Illinois: U.S.A.
- Dewey, J. (1997) *Experience and Education*, Touchstone: New York.
- Dewey, J. (1997).My Pedagogic Creed', in D.J. Flinders and S.J. Thorton(eds.) *TheCurriculumStudies Reader*, Routledge: New York.
- Keddie, N.(1971). *ClassroomKnowledge*, in. M.F. DYoung.
- KrishnaMurthy, J. (1947). On Education, OrientLongman: New Delhi.
- Kumar, Krishna (1996). Learning From Conflict, Orient Longman: New Delhi.
- Margaret, K.T. (1999). TheopenClassroom, OrientLongman: NewDelhi.
- NCERT(2014). Basics in Education: Textbook for B. EdCourse. NCERT, New Delhi.
- Peters, R.S. (1967). *The ConceptofEducation*, Routledge: UK.
- Phenix, P.H. (1964). Realmsof Meaning. McGraw-Hill: New York.
- Prema, Clarke. (2001). *Teaching & Learning: The Culture of Pedagogy*, Sage Publication: New Delhi.
- Steven, H.C. (1970). *The Philosophical Foundation of Education*, Harper & RowPublishers: New York.
- Sykes, Marjorie. (1998). The Story of NaiTaleem, NaiTaleem Samiti: Wardha.
- Taneja, V.R(1978). Educational Thoughtand Practice. Sterling Publishers PvtLimited, New Delhi.
- Thapan.M.(1991).LifeatSchool:AnEthnographicStudy.OxfordUniversityPress,Delhi.

Agrawal, A(1995). Dismantling the Divide Between Indigenous and Scientific Knowledge: Develo pment and Change, 26:413-39.

PE2:Childhood andGrowingUp Credit-04

Course Outcomes

On completion of this course, the pupil-teacher will be able to

- CO1 Describethe concept of growth and development of human child and explains the underlying general principles of growth and development;
 CO2 Apply the knowledge of the principles of child development to study children.
 CO3 Statemeaning, nature and various intelligence test with theory.
 CO4 Explainthe meaning, theory and assessment of personality.
 CO5 Specifythe contexts and factors influencing development.
- CO6 Elaborate developmental characteristics, contextual needs and tasks during adolescence and the role of school and teachers in addressing the challenges during this period of development.
- CO7 DescribedifferentviewsofErickson,PiagetandVygotskyondevelopment
 CO8 Explain the concept of individual differences and its implications

CO9 Defineand explainlifeskillseducationandroleofteachercounsellorand parents indealingwithadolescenceproblems.

Unit1:LearnerasaDeveloping Individual(Number of classes-10)

- GrowthandDevelopment:concept,principlesandcharacteristics
- Factors Influencing Development: heredity, environment, nutrition, child rearing practices, socioeconomic status, sibling and peers.
- Individual differences: Concept and Types (intraandinter); E d u c a t i o n a l Implications of individual differences.
- Motivation-concepts, types and techniques of motivation.

Unit2:Developmental characteristics and needs during adolescence (Number of classes-10)

- Growth and development during adolescence: Characteristics during early and late adolescence Physical, Social, Cognitive, Emotional and Moral: Challenges of adolescence
- Erickson'sviewsonpsychosocialdevelopmentandKohlberg'sviewsonmoraldevelopment
- Cognitiveandlanguagedevelopment:cognitivedevelopmentalstagesofPiaget;Vygotsky's theory of concept and language development;language developmenttheory of Chomsky

Unit-3:Intelligence and personality

- Intelligence: Nature and meaning. Measurement of Intelligence-Concept of I.Q, Verbal and Non-verbal (One test from each category to be discussed)
- Theory of multiple intelligence (Howard Gardner)
- Structure of Intellect (Guilford)
- Personality: Nature and meaning. Determinants of Personality
- Trait-theory of Personality (Allport), Psycho analytic theory of personality (Freud)
- Assessment of Personality-subjective, objective and projective techniques

(Number of classes-10)

Unit4:UnderstandingAdolescence education (Number of classes-10)

- AdolescenceEducation:Concept,NatureandImportance
- Lifeskillseducationforadolescents:Meaning,importance,differentlifeskillsandstrategyfordevelopinglifeskills
- RelevanceofSocio-Culturaldiversity(family,schoolenvironment,community,peergroup)andlifeexperiences /learners'voice-theirrelevancetoadolescence education
- Roleofteacher, counsellorand parents indealing adolescence problems

Mode of Transaction:

- Lecture cum discussion method
- Question and answer method
- Computer assisted learning
- Activity based learning

Practicum (Number of classes-08)

Each student will carry out any one of the activities, submit a report and face viva examination to be conducted by both internal and external examiners.

- 1. Prepare an observation schedule and observe the behaviour of the child in school setting.
- 2. Prepare and submit a paper on ten adolescent children living in different contexts (rural areas, urban slum, dalit household, urban area, and working/street people) and compare their lifestyle and problems.
- View any two movies out of the following: 1. Smile Pinky (2008), 2. Born into Brothels (2014), 3. Salaam Bombay (1988), 4. Slumdog Millionaire (2009), 5. Gippie (2013), 6.Mehek (2007), 7. 12th Fail (2023).Submit a paper on their content, picturization, characters and messages in the context of issues and concerns of childhood/adolescence
- 4. Administration and interpretation of any psychological test relating to intelligence and personality and prepare a report on it
- 5. Any other task/assignment given by the institution.

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	3	-	2	1	1	1	-	-
CO2	-	1	3	1	-	-	-	-	-	1
CO3	1	3	2	1	-	-	-	-	-	-
CO4	-	-	-	-	2	2	-	-	-	-
CO5	3	-	2	-	1	3	2	-	-	-
CO6	-	-	2	-	3	2	-	-	3	-
CO7	-	3	2	-	1	2	-	-	-	1

PSO - CO MAPPING

CO8	-	2	1	-	-	-	-	-	-	-
CO9	-	-	1	-	-	1	-	-	2	3

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	-	3	1	1	1	1	1	-	-

SuggestedReadings

- Cole, MandCole, S(1989). *TheDevelopmentofChildren*, Scientific AmericanBooks, NewYork Hurlok, E.B. (2003). *ChildGrowthandDevelopment*, TataMcGraw Hill
- Kakkar, S (1978). *The Inner World: A Psychoanalytic Study of Childhood and SocietyinIndia*. Oxford UniversityPress, New Delhi
- NCERT:Moduleon AdolescenceEducation
- Mishra, A (2007), Everyday Life in a Slum in Delhi. In D.K. Behera (Ed.0. *ChildhoodinSouth Asia*. New Delhi: Pearson EducationIndia
- Nambissan,G.B.(2009). *ExclusionandDiscriminationinSchools: ExperiencesofDalitChildren*. IndianInstituteof Dalit Students andUNICEF
- Parry, J. (2005). Changing Childhoods in Industrial Chattisgarh. In R. Chopra and P. Jeffery (Eds), *Edu* cational regimes in Contemporary India. Sage
- Piaget,J.(1997).DevelopmentandLearning.InM.GauvainandM.Cole(Eds), *Readingsonthedevelopmentofchildren*. New York:WHFreemanandCompany
- Saraswathi, T.S. (1999). Adult-Child Continuity in India: Is Adolescence a myth or anemergingreality?InT.S.Saraswathi(Ed),*Culture,SocialisationandHumanDevelopm* ent:Theory, researchandapplications inIndia.New Delhi. Sage
- Sharma, N(2011). Understanding Adolescence, MBTIndia

Singh, A (Ed), (2015). *Human Development: A Life Span Approach*. Orient BlackSwan, Delhi Woolfolk, A. (2008). Educational Psychology. Pearson Education.

SEMESTER-II PE3:LearningandTeaching

Credit-04

Course Outcomes

On completion of this course, the pupil-teacher will be able to

- CO1Elaboratedifferentlearningneedsofthelearnerswithregardtoabilities,learningstyles,socio-
culturaldifferences,language,andlearningdifficulties.CO2DefinelearningastransmissionandreceptionVs.learningasconstruction
- CO2 Evaluated ifferent theoretical perspectives of learning including the constructivist perspective

CO4 State

natureandstrategyofmeaningfulandconceptlearning,roleofmultipleintelligencein it.

UnitI:UnderstandingLearning

• Meaning, nature; learning as process and as outcome

- Understandingcharacteristicsoflearningstylesofstudentsatelementaryandsecondarylevels ; matchingthe teachingstylewith the learningstyle.
- Differentviewpointsonlearningandtheirclassroomimplications:Behaviourist(Skinner),C ognitivist(Piaget),Humanist(Roger) andConstructivist(Vygotsky)
- Factors affectinglearning:individual differences, conditions of learning and methods.

UnitII:Learningin'Constructivist'Perspective(Number of classes -10)

- Learning as 'construction of knowledge' and learning as 'transmission and receptionofknowledge'-differences
- Understandingprocessesfacilitating 'construction of knowledge': Experiential learning and Reflection, Social mediation, Cognitive negotiability, situated learning and Cognitive apprenticeship, Meta-cognition.
- Facilitative learning environments: teachers' attitudes, expectationenhancingmotivation,positiveemotion,self-efficacy, collaborativeandselfregulatedlearning.

UnitIII:MeaningfulandConceptLearning (Number of classes-10)

- Meaning, nature and characteristics of meaningful learning, Facilitating meaningfullearningin and outsideschool-strategyand roleofteacher
- Learning as meaning making: concept, process, learner as meaning makercharacteristicsofthe learner; role of inquiry in meaning making
- Concept Learning: Meaning, prototypes and exemplars , concepts and schemas, strategies forteaching concepts

Unit-IV:TeachingforMeaningfulandConceptLearning

(Number of classes-10)

• Nature of teaching: Teaching as Instructing Vs. Teaching as facilitating

(Number of classes-10)

learning,teaching as empowering learners; Phases and levels of teaching, Modes of teachinglearnings: Face to face, distance mode, oral- aural and digital, individualized and groupbased

- Teachingskills:communicating,introducing,explaining,usingblackboard,questioning,rei nforcing,usingaids/ICT andmanagingclassroom
- Bruner's models of teaching for meaningful learning-process and implications for classroominstructions.
- Conceptattainmentmodeland conceptmappingforteaching.

Mode of Transaction:

- Lecture cum discussion method
- Question and answer method
- Computer assisted learning'
- Activity based learning

Practicum (Number of classes-08)

SuggestedActivities

- Draft a report on Teachers' Teaching Style by one-week classroom observation of two teachers.
- Observe a class in a local school for few days and prepare a report highlighting how teachers addressed the learning needs of different learners.
- Prepareconceptmapsonpedagogysubject, teachinschoolandwriteareflectivenoteonhow it helps learner.
- Interactwithfewteachersinanearbyschoolanddiscusswiththemtherelevanceoftrainingthey received with respect to the classroom teaching and submit a report on it.
- Any other task/assignment given by the institution.

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	-	2	1	-	-	-	-
CO2	-	-	-	-	-	-	-	-	1	-
CO3	-	-	-	-	2	-	-	-	2	-
CO4	-	3	1	-	1	1	-	-	-	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	2	1	-	-	1	1	-	-	-

SuggestedReadings

Bhutt,H.*Thedairyofaschoolteacher*:AnAzimPremjiUniversitypublications,www.arvindguptato ys.com/arvindgupta/diary-school teacher-eng.pdf

- Burden, Paul R; Byrd, David. M. (1999). *Methods for Effective Teaching* (SecEdition), Allyn and Bacon.
- Carr, D (2005), Making sense of education: An introduction to the philosophy andtheoryof education and teaching, Routledge.
- Delpit,L(2006). Other people's children, cultural conflict in the classroom. The Newpress.

Dhar, T.N. (Ed). 1996. Professional status of Teachers, NCTE, New Delhi.

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- Vygotsky,L.(1997)."InteractionbetweenLearningandDevelopment",InM.Gauvain& M. Cole (Eds.) *Reading on the Development of Children*, New York: WHFreeman &Company.
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PE4:Assessment and Research

Credit-04

Course Outcomes

On completion of this course, the pupil-teacher will be able to

- CO1 Define thenature, purpose and types of assessment.
- CO2 Explaintheuseofcontinuousand assessment of learningin theschoolsituation.
- CO3 Evaluate an action research project in terms of its objectives, processes.

CO4 Evaluateandinterpretresultsoftheassessmentusingelementarystatistical methods.

Unit-1:Assessment,**EvaluationandLearning**(Number of classes-10)

- Assessment– Meaning
- Classification of Assessment based on Purpose (Placement, Formative, Diagnostic,andSummative),Scope(Teacher-made,Standardized)
- Gathered(Qualitative,Quantitative),ModeofResponse(Oral,WrittenandPerformance),N atureofInterpretation(Norm-referencedandCriterion-referenced),andthe Context(Internal, External).
- ContinuousandComprehensiveAssessment:Meaning,ImportanceandScope;Learning and Assessment: Assessment of Learning, Assessment for Learning,

andAssessmentasLearning; CCAvs CCE

Unit-2:Educational Research

(Number of classes-10)

- Meaning, steps and scope of Educational Research
- Types of Research- Fundamental, Applied and Action Research
- Action Research-Importance, characteristics and objectives
- Designing, procedures and steps of conducting action research.
- Tools and Techniques used in conducting action research
- Reporting Action Research-Format and Style

Unit-3 ConstructionofTestandUse (Number of classes-10)

- Revised Bloom's Taxonomy (2000) for instructional objectives
- Planningthetest:Developmentoftableofspecifications(blueprint)
- Preparing test: principles of preparing test items-objective based items-Extended and Restricted response types, Objective type items (free response type-short answerandcompletion;fixedresponsetypematching,forced/alternatechoice,multiplechoice);

Unit-4 Elementary Statistics

(Number of class-10)

- Measures of Central Tendency: Mean, Median, Mode-their uses and limitations.
- Measures of Variability: Range, Average Deviation, Quartile Deviation, Standard Deviation-their uses and limitations.
- Graphicalrepresentation ofdata
- Standardscores;Tscore, Zscore, percentileandituses
- Correlation: Meaning and uses, calculation of correlation coefficients by Rankdifference and Product moment method.

Mode of Transaction:

- Lecture cum discussion method
- Question and answer method
- Computer assisted learning'
- Activity based learning

Practicum

(Number of classes-08)

Eachstudentwillcarryoutanyoneoftheactivities, submitare portand facevivae xamination to be conducted by both internal and external examiners.

SuggestedActivities

- Preparation of 50 objective-based items, at least 5 from each type of test items in any school subject.
- Constructionofanachievementtestonanytopic(carrying25marks), itsadministrationandinterpretation of the results.
- PreparationofaplanforCCAactivitiesforanyclassduringanacademicsession.
- Conduct an action research on any school/classroom problem he/she encounters and prepare a report
- Prepare and submit a report oncurrentCCApracticesinthesecondaryschools.
- Any other task/assignment given by the institution.

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	3	-	2	-	-	1	-	3
CO2	-	1	3	1	-	-	-	-	-	3
CO3	1	-	-	1	-	-	-	2	-	-
CO4	-	-	-	-	1	-	-	-	-	3

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	1	-	-	1	1	2	-	1	-	3

SuggestedReadings

- Anderson,L.W.(2003).Classroomassessment:Enhancingthequalityofteacherdecisionmaking.M ahwah,NewJersey:Lawrence ErlbaumAssociates.
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SEMESTER-III PE5:KnowledgeandCurriculum

Credit-04

Course Outcome

On completion of this course, the pupil- teachers will be able to

CO1	State concep	tofknowle	dge,p	rocess	and	sourcesof	know	ing			
CO2	Compare and	d contrast	betwe	een tea	chei	r centric a	nd lea	rner	centric k	nowled	ge
trar	ismission										
CO3	Discussabout	concept,	list	types	of	curriculu	m an	d di	fferentia	te	
bet	ween curriculum	n famework cur	riculu	im and	l syl	labus					

CO4 Explore theprocessandprinciplesofcurriculumdevelopment

CO5 Analyse the process of curriculum transaction.

Unit-1 UnderstandingtheNatureofKnowledge (No of Class-10)

- Knowledge:Conceptand nature and comparison knowledge, skill, knowledge information, reason and belief.
- Types and theories of knowledge
- Knowledge Acquisition:sourcesand waysofknowinginIndian andWesterncontext

Unit-2 Constructionand transmission process of knowledge

(No of Class-10)

- Knowledge transmission(teacher-centric) vsKnowledgeconstruction(learner-centric)
- Process of knowing: activity, discovery and dialogue-views of Dewey, Ausubel and Bruner
- Construction of Knowledge: theories of Piaget and Vygotsky; implications for curriculum

Unit-3 Understandingcurriculum

- Determiningepistemologicalbasisofcurriculum
- Conceptof curriculum (difference betweencurriculumframework, curriculum, syllabus and textbook)

(No of Class-10)

- Typesof curriculum (subject-centred, learner-centred, experience-centred, activity-centred, hiddencurriculum and corecurriculum)
- Curriculumframework–Concept,principlesandcoverage;NCF2005,andNCFTE2009 significant recommendations.

Unit-4 Curriculumplanning, development and transaction (No of Class-10)

- Determinantsofcurriculum
- Principlesofcurriculumdevelopment
- Stagesofcurriculumdevelopment(preparation,try outand finalization)
- Transaction:Planning(time,space,manpower,materialandschemeoflessons), Preparationofcurricularmaterialsandactivities (textandsupportmaterials, learning activities), conducting classroom transaction (preparation oflesson plans/notes, mode of transaction, learners' involvement, use of TLMs, useofassessmentmechanism for learning etc.

Mode of Transaction:

- Lecture cum discussion method
- Question and answer method
- Computer assisted learning'
- Activity based learning

Practicum

(No of Class-08)

Eachstudentwillcarryoutanyoneoftheactivities, submitareportand facevivaexamto beconducted by both internal and external examiners.

• Prepare and present a term paper on teacher centric and learner centric perspective of knowledge construction and transmission process.

- Present a seminar on meaning, nature and types of curriculum.
- Present a term paper on NCF2005
- Prepare anappraisal report on the curriculum renewal process of NPE 2020

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	1	3	-	3	-	2	-	-	-
CO2	-	2	-	-	-	2	2	-	-	-
CO3	-	2	-	-	-	-	-	-	-	-
CO4	-	-	-	-	-	2	-	-	2	-
CO5	-	-	-	-	-	-	-	-	3	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	2	3	1	1	1	1	1	1	3	-

SuggestedReadings

Arora, G.L.(1984).Reflections on curriculum.NewDelhi: NCERT.

Dewey, John (1956). *The child and the curriculum*. Chicago, Illinois: University of Chicago Press.

Dewey, John (1997). Experience

andEducation.NewYork:

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Egan,K.(2005). An imaginative approach to teaching. SanFrancisco: Jossey-Bass.

Jangira, N.K. & Singh, A. (1982). Core teaching skills: The microteaching approach.

NewDelhi:NCERT,

NCERT(2005).Nationalcurriculumframework2005.NewDelhi:NCERT.NCTE(1990).*Polic yperspectiveinteachereducation*.NewDelhi:NCTEOlivia,PeterF.(1988).Developingthecurri culum.London:ScottandForesman.

SEMESTER-IV

CPS1:Language acrosstheCurriculum

Credit-02

Course Outcome

Thecourse will enable thestudent teachers will be able to

- CO1 Elaborate thelanguage backgroundofstudents.
- CO2 Describe thenatureofclassroomdiscourse.
- CO3 Explainthenatureandneedof communicationskillsincludingreadingandwriting

Unit1:ConcernsforLanguageinCurriculum (No of Class-8)

- Variedlanguagecontextsofthelearners:dialect,regionalvarietiesandstandardlanguage
- Understandingmultilingualismintheclassroom:challengesandstrategies
- Homelanguageandschoollanguage.

Unit2:LanguageandCurriculumTransaction (No of Class-8)

- ClassroomDiscourse—developingstrategiesforusingorallanguageintheclassroom
- Discussionasanapproachforlearning;
- Thenature of questioning in the classroom—types of questions and teacher's role.

Unit3:DevelopingCommunicationCompetencies-readingandwriting (No of Class-8)

- Reading in the contentare as social sciences, science, mathematics; nature of expository texts vs. narrative texts; transactional vs. reflexive texts; schema theory; text structures; examining contentare at ext books; reading strategies such as scanning, skimming and reading for extracting information
- Writing basedonthetext,e.g.summaryofthetext,extrapolationofstory,convertingasituationintoadi alogue,etc.;Processwriting;analysingstudents'
- Writings tounderstandtheir conceptions; writing with a sense of purpose—writing to learn and understand.
- Makingreading-writingconnections:note-making,summarizing

Mode of Transaction

- Lecture cum discussion method
- Question and answer method
- Computer assisted learning'
- Activity based learning

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	3	-	-	-	-	2	-	-
CO2	-	2	2	1	-	-	2	-	-	-
CO3	1	-	2	1	-	-	-	3	-	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	2	1	1	1	1	1	1	1	-

SuggestedReadings:

Anderson, R.C. (1984).Role of the Reader's Schema in Comprehension, Learning and Memory. In R.C. Anderson, J. Osbon& R.J. Tierney (ed) *Learning to Read inAmerican schools: Based Readers and content texts.* Hillsdole, Lawrance ErlbaumAssociates:New

Jersey.

ApplyingaVygotskianModelofLearningandDevelopmentinB.Spodek(ed.). Handbookofresearchontheeducationofyoung children. Macmillan:New York. Armbruster, BonnieB. (1984). The Problem of "Inconsiderate Text" In Duffy, G.G. (ed.) Comprehen sionInstruction, Perspectives and Suggestions. Longman: New York. Butler, A. and J. Turnbill, (1984) Towards Reading-Writing Classroom PrimaryEnglishTeachingAssociation CornellUniversity:New York. Freedman S. W. and A. H. Dyson (2003) Writing in Flood J. et. al. Handbook ofResearch on Teaching English Language Arts: Lawrence Erlbaum Associates Inc:NewJersey, USA.. Kumar Krishna (2007) The Child's Language and the Teacher. National BookTrust:new Delhi. Labov, W. (1972) Thelogicof Non-Standard English.In*Language inEducation*.PreparedbyLanguageand LearningcourseTeam. Routledge:London. Martin, Jr. B. (1987) The Making of a Reader: A Personal Narrative. In Bernice E.Cullinan, Children's Literature in the Reading Programme. International ReadingAssociation:Michigan.. Mason, J. M. and S. Sinha (1992) Emerging Literacy in the Early ChildhoodYears. Monson, R.J. (1991) Chartinga New Course with Whole Language. Edn. Leadership. Pinnell, G.S. (1985) Ways to Look at the Functions of Children's Language. In A.Jaggar, M.TrikaandSmith-Burke(ed.) Observing the language learner. International Reading Associati on: Newark, DE. Purves, AlanC. (1988). The Aesthetic Mindof Louise Rosenblatt. Reader 20. Rhodes, L.K. and N.L. Shanklin (1993) Windows into Literacy. Heinemann, The University of Michigan:UK. Rothleen, L. and A.M. Meinbach (1991) *The Literature Connection: Using Children's Book* s in Classroom. Good Year Books: Tucson, USA. Sinha, S. (2000) Acquiring Literacy in Schools. *Redesigning Curricula:* Asymposiumon workinga framework forSchooleducationSeminar. Sinha, Shobha. (2009). Rosenblatt's Theory of Reading: Exploring Literature. ContemporaryEducationDialogue. Teals, W. and E. Sulzby (1986) Introduction: Emergent Literacy as a perspectivefor Examining how young Children Become Writers and Readers. In W. Teals. E.Sulzby(ed.)*Emergent* Literacy: Writing andReading. Norwood:NewJersey

EPC1:Learning toFunctionasaTeacher (Credit-2)

Course Outcomes-

After completion of this course, the pupil teacher will be able to

- CO1 Apply various activities as per the emerging demands in the classroom to engage the students.
- CO2 Develop self-confidence and skill to engage learners and meet their diverse needs.

Transaction Modes:

- a) Presentation in workshop mode
- b) Discussion & reflection session / collective feedback
- c) Reporting
- d) Viewing video clippings followed by discussion and reflection

The following process-based skills essential for secondary schools to be taken up.

- critical thinking and reflection,
- class room management
- managing diversity
- contextualization
- observation
- communication
- organisation of group activity/project
- assessing learner and giving feedback
- process of facilitating learning
- core teaching competencies:
 - a. Introducing the lesson
 - b. Asking different types of questions during the class
 - c. Giving explaining about the content
 - d. Encouragement and appreciation students during learning
 - e. Variation in action and activities in the classroom process
 - f. Using Blackboard /white board/ smart board
 - g. Using instructional resources and ICT

Guidelines for internal assessment –The above stated ten processes-based competencies will be practiced by the students which will be observed and evaluated during the classes. The best five performances would be taken into consideration for the internal assessment out of 50.

PSO - CO MAPPING

PSO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	1	2	1	2	2	1	1	1	1	2
CO2	1	3	2	1	2	1	2	2	3	2

COURSE WISE AVERAGE MAPPING

	=		_							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Course	1	3	2	2	3	1	2	2	3	3

SEMESTER-V CPS 2: Pedagogy of First Language (Odia) (Part – I) Credits-04

Course Outcomes

After completion of this course the pupil- teacher will be able to

CO1	State the importance of Odia as mother tongue in school curriculum.
CO2	Discuss the challenges in Odia language teaching
CO3	Differentiate between language acquisition and language learning.
CO4	Develop linguistic skills in Odia and integrate in real life.
CO5	Explain the fundamentals of Odia linguistics and their implications in teaching learning
Odi	a
CO6	Identify Problems of articulation in Odia language, specify causes and suggest
rem	nediation

Unit I: Odia Language in school curriculum (Number of classes-10)

- Importance of mother tongue in the life and education of an individual
- Place of Odia as mother tongue in school curriculum in Odisha: compulsory subject, medium of instruction and examination etc.(both atelementary and secondary levels) in the context of language policy recommended by NPE, 1986, NCF 2005.
- Objectives of teaching Odia at elementary and secondary levels.
- Current challenges of teaching learning Odia language in schools: multi-lingual context, language background of the learners, syllabus and textbooks, classroom transaction mode and teacher quality.

Unit II: Acquisition and Learning of First Language(Number of classes-08)

- Difference between language acquisition and language learning: First language acquisition and learning with reference to their meaning and process, factors influencing FLA(Age, Language input, Language anxiety, Language aptitude, Language ego & motivation)
- Approaches/Theories of First Language Acquisition(FLA): Behaviourist(Watson & Skinner), Innatist/Mentalist (N.Chomsky) and Social Integrationist constructivism(Piaget & Vygotsky)

Unit- III: Developing language skills (Number of classes-12)

- Listening and Speaking- Sub skills and types
- Activities for developing listening and speaking skills: storytelling, dialogues, situational conversations, role plays, simulations, speech, games, contexts etc.
- Reading: Sub skills; kinds reading aloud and silent reading, extensive and intensive strategies for developing study skills use of thesauruses, dictionary, encyclopaedia etc.
- Writing: Mechanics of writing, methods, formal and Informal writing: creative writing (short story, poem), reflective writing (essay, articles), letter, diary, notices, reports, dialogue, speech, advertisement etc.
- Reference skills and Higher order skills in reading and writing.

Unit IV:Odia Linguistics and Articulation(Number of classes-12)

- Elements of Language: Sound, vocabulary and structure
- OdiaDhwani(Sound)- Types, and manner of articulation

- Odia Vocabulary Types (Tatsama, Tadbhava, Deshaja, Baideshika), Word formation process and principles (use of Upasarga, Anusarga, Pratyaya, Samasa and Sandhi), Semantics (Lexical and Contextual)
- Odia Syntax Processes and Principles
- Spelling mistake—causes and method of correction
- Use of Linguistics in effective teaching-learning of Odia language

Transactional Strategies

- Lecture cum Discussion
- Project work
- Demonstration through A.V. aids like power point presentations, phonetic charts, documents, tape recorders, stories, plays, photographs and videos etc.
- Use of language lab practicum,
- Use of language games, software packages of text, games, phonetic transcription applications
- Use of ICT based language materials

Practicum (Number of classes-08)

Each student is required to select any two practicum suggested below

- Prepare a report on the challenges faced by the teachers and learners during teaching-learning of Odia.
- Design activities for developing listening, speaking skills at different levels.
- Prepare activities for developing reading and writing skills at different levels.
- Do a comparative report on different psychological theories views on first language acquisition.
- Prepare 3 activities to develop the reading skills of learners from any class (VI-VII) students.
- Present report on common grammatical and spelling errors committed by Odia learners and remediation measures

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	1	1	1	2	2	2	1	1	-	-
CO2	2	2	-	2	-	-	-	-	-	-
CO3	1	1	1	1	-	-	-	-	-	-
CO4	-	-	-	-	2	2	-	-	-	-
CO5	3	-	2	-	1	3	2	-	-	-
CO6	-	-	2	-	3	2	-	-	3	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	1	3	1	1	1	1	1	-	-

Suggested Readings

- National Curriculum Framework 2005; NCERT, December 2005.
- > National Curriculum Framework 2005, Position Paper, National Focus Group on
- ➤ Teaching of Indian languages, NCERT, 2006. 31
- Techniques and Principles in Language Teaching Diane Larsen Freeman: Oxford University Press
- S.K.Kochhar (1990).Teaching of Mother Tongue, Sterlinhg, New Delhi

Odia

- Ryburn,W.M.Teaching of Mother Tongue,Falmer Press
- Palmer, H,R.Principlesiof Language teaching
- Nayak,B;Mohanty,J:OdiyaBhasa O SahityaraBhitibhumi O ShikshyadanPadhati
- Pattnaik, D.P. Mother tongue and Destiny
- > Pattnaik, D.P. OdiyaBhasa O BhasaBigyan
- Mohapatra, B.P. MatrubhasaOdia
- Dhal, G.B. (1974). Dhwanibijanana. Bhubaneswar: Odisha RajyaPathyaPustakaPranayanaSanstha.
- Mohanty, B. (1970). Odiabhasarautpati O 65arma bikasha. Cuttack : Friends Publishers.
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- Sarangi, N. (2001). Bruhatodiavykarana. Cuttack : Satyanarayan Book Store
- > Tripathy, K.B. (1977).Odiabhasatattwa O lipirakramabikash. Bhubaneswar : Odisha

CPS 2: Pedagogy of Language (English) (Part-I) Credits-04

Course Outcomes

After completion of this course the pupil- teacher will be able to

- CO1 Explore and analyse the present status, importance and challenges of English language teaching in Indian school curriculum.
- CO2 State aims and objectives of teaching English in school curriculum and language policy as conceived in NPE-1968, NPE-1986, POA-1992 and NCF-2005.
- CO3 Analyse linguistic structures and aspects of English language in relation to their implications.
- CO4 Differentiate between language acquisition and language learning.
- CO5 Compare different psychological views on acquisition and learning of English language.

CO6 Develop linguistic skills in English and integrate in real life.

Unit-I: Foundations of Language Teaching (No. of Classes-12)

- Language teaching in India: Historical Background, present status and importance.
- Policies and provisions relating to languages: Article 343-351,350A; NPE-1968, NPE-1986; POA 1992; National Curriculum Framework-2005.
- Importance of English language in India and the world today. Official language, language of judiciary, trade and commerce, press and media, communication, link language (national and international), library language, passport for employment, language of ICT etc.
- Place and importance of English in school curriculum: compulsory subject, medium of instruction and examination etc.

- Objectives of teaching English at elementary and secondary levels with reference to NCF 2005.
- Current challenges of teaching learning English in schools: multi-lingual context, language background of the learners, syllabus and textbooks, classroom transaction mode and teacher quality.

Unit-II: Language structure and Linguistic behaviour (No. of Classes-12)

- Language as a system: symbols and levels (substance, forms and context).
- Importance, nature and functions of language
- Linguistic behaviour with reference to language skills types (receptive Vs. productive; input vs. output) and their independence and interdependence
- Factors affecting language skills in English.
- Linguistic structure and aspects of English language phonological, morphological, syntactic, semantic and pragmatic

Unit-III: Acquisition and Learning of Second Language (No. of classes-10)

- Difference between language acquisition and language learning
- Psychology of language acquisition and learning behaviouristic, cognitive and constructivist views.
- Language acquisition and language learning in English: meaning and process
- Language context and input rich classroom environment facilitating language acquisition and language learning
- Challenges of teaching learning of English in classroom transaction

Unit-IV: Developing language skills in English

(No. of classes-10)

- Listening and Speaking (Sub skills and types)
- Activities for developing listening and speaking skills: storytelling, dialogues, situational conversations, role plays, simulations, speech, games, contexts etc.
- Reading: (Sub skills, kinds) reading aloud and silent reading, extensive and intensive, strategies for developing study skills use of thesauruses, dictionary, encyclopaedia etc.
- Writing: Mechanics of writing, methods, formal and Informal writing: creative writing (short story, poem), reflective writing (essay, articles), letter, diary, notices, reports, dialogue, speech, advertisement etc.
- Reference skills and Higher order skills in reading and writing.

Transactional Strategies

- Lecture cum Discussion
- Project work
- Demonstration through A.V. aids like power point presentations, phonetic charts, documents, tape recorders, stories, plays, photographs and videos etc.
- Use of language lab practicum, language games
- Use of language games, software packages of text, games, phonetic transcription applications
- Use of ICT based language materials

Practicum

(Number of classes-08)

Each student is required to select any two practicum suggested below

- Prepare a report on the challenges faced by the teachers and the learners in schools.
- Prepare activities for developing listening, speaking for different levels.(5E & ICON Model)
- Prepare activities for developing reading and writing for different levels. .(5E & ICON Model)
- Develop a questionnaire, interview ten people/students and write a report on 'English Language in India'.

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	1	-	3	-	2	1	1	1	2	-
CO2	-	1	3	1	-	-	-	-	-	1
CO3	1	3	2	1	-	-	-	-	-	-
CO4	-	-	-	-	2	2	-	-	-	-
CO5	3	-	2	-	1	3	2	-	-	-
CO6	-	-	2	-	3	2	-	-	3	-

PSO - CO MAPPING

COURSE WISE AVERAGE MAPPING

	POS1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	-	1	2	1	-	1	2	1	-

Suggested Readings:

- ▶ National Curriculum Framework 2005; NCERT, December 2005.
- National Curriculum Framework 2005; Position Paper, National Focus Group on
- ➤ Teaching of English; NCERT, 2006.
- National Curriculum Framework 2005, Position Paper, National Focus Group on
- > Teaching of Indian languages, NCERT, 2006.
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CPS 2: Pedagogy of Mathematics (Part-I)

Credits-04

Course Outcomes

After completion of this course the pupil- teacher will be able to

- CO1 Explain the nature, scope, and values of Mathematics and its place in the school Curriculum.
- CO2 State the objectives of teaching and learning Mathematics at the secondary and higher secondary levels of school education.
- CO3 Develop daily, short term, long term plans for teaching and learning mathematics at the school stage.
- CO4 Analyse different approaches and methods of teaching and learning mathematics for different content and context.
- CO5 Develop scientific plan and techniques for assessing comprehensive mathematical knowledge among students.

Unit 1: Concept and Importance of Mathematics Education

(Number of classes-08)

- Nature and Scope of Mathematics, Mathematical proof, structure and logic.
- Meaning and building blocks of mathematics-undefined terms, definitions, axioms, Theorems; the nature of mathematical propositions- truth values, truth tables, Open Sentences, logically valid conclusions, use of quantifiers, implications – necessary and sufficient conditions, a mathematical statement and its variants, converse, inverse and contra positive, compound propositions.
- Values of Mathematics: Cultural, Disciplinary and Utilitarian values.

- Place of Mathematics in School Curriculum, Correlation of Mathematics with other subjects.
- Contribution of the Indian Mathematicians.

Unit 2: Objectives of Teaching and Learning Mathematics (No. of classes-08)

- Aims and Objectives of teaching Mathematics at Secondary and Higher Secondary Level.
- General and Specific Learning Objectives of teaching Mathematics with respect to revised Bloom's Taxonomy.
- Objectives of teaching and learning for Algebra, Geometry, Mensuration and Trigonometry

Unit 3: Approaches/Methods

- Learning by Discovery, Laboratory Method(Nature and purpose)
- Inductive, deductive, analysis and synthesis methods.
- Problem Solving (Importance and steps)
- Constructivist approaches: Self-learning and peer learning strategies, Projects and Collaborative strategies; 5E and ICON Models,

Unit 4: Planning and Assessment

- Lesson plan, Unit plan, Yearly plan(Importance and steps)
- Assessment of procedures learning: Unit test Designing blue print, item Construction, Marking schemes.
- Assessment for Learning: Assignments, Projects and portfolios, group and collaborative technique.
- Non-testing method: Observation, Rating Scale.

Transactional Strategies

- Lecture cum Discussion, Project work, Demonstration through A.V. aids like power point presentations, Action Research, School Visit.
- Group work for developing different types of plans, especially lesson in Mathematics.
- Group and individual work for construction of tools for measuring, assessing • mathematical learning outcomes.

Practicum

Each pupil teacher has to select any two from the following activities and submit the reports.

- List the names of famous Indian Mathematicians and their contributions.
- Development of learning activities from Mathematics (at least 5 activities on any 2 topics of Algebra, 2 from Geometry, 2 from menstruation and trigonometry area.
- Preparation of Annual and Unit Plans for teaching-learning Mathematics.
- Development of Lesson plans in Mathematics

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	2	-	3	1	2	1	2	1	-	-
CO2	-	1	3	1	-	-	-	-	-	1
CO3	1	3	4	1	-	-	-	-	-	-
CO4	-	-	-	-	2	2	-	-	-	-
CO5	1	-	2	-	1	1	2	-	-	-

PSO - CO MAPPING

(No. of classes-15)

(No. of classes-09)

(No. of Classes-08)

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	-	3	1	2	1	1	2	1	1

Suggested Readings

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- Britton E, Huntley M.A., Jacobs G and Weinberg A.S.(1999). Connecting mathematics and
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- Associates.

CPS2-PedagogyofBiologicalScience(PartI)

Credits-4

Course outcomes:

After completion of this course the pupil- teacher will be able to

- CO1 State the importance and value of Biological science for their daily life and academic field.
- CO2 Critically evaluate that Biological science as a dynamic and expanding body of knowledge.
- CO3 Explore natural surroundings and relationships of everyday's experience with concepts of Biological Sciences.
- CO4 Differentiate different strategies and methods used for teaching different concepts in Biology.
- CO5 Formulate appropriate and meaningful problem solving situations and projects based on curriculum

Unit -1 Nature and Scope of Biological Science (Number of classes-06)

- Biological Science as a domain of scientific enquiry: Nature and characteristics of scientific enquiry, Distinguish it from other domains of scientific enquiry.
- Scope of Biological Science: Diversity of the living world, origin oflife andits evolution, environment, health and well- being, sustenance of the ecosystemvis-à-visvalues andethics.
- Linkagesof Biologicalscience withotherbranchesofscienceandotherdisciplines.

Unit – 2 AimsandObjectivesofTeaching BiologicalScience

(Number of classes-10)

- General and specific aims of teaching Biological science in secondary and higher secondary classes.
- Development of knowledge and understanding of Biological science: Facts, principles and its application for secondary level.
- Acquiringskillstounderstandprocessesofstudying Biology:Observation,exploration,experimentation;Generalisationandvalidation.

• Developing Problem solving skills relating to Biological sciences: Relationship of Biology education withenvironmentand its sustenance.

Unit-3 Curriculum and Learning Resources for Biology teaching at School stage (Number of classes-12)

- Place of Biological Science in school curriculum (Elementary, secondary and highersecondarylevels)
- SelectionandorganisationofcontentinBiology(onthebasisofformsofknowledge {*viz.*declarative,proceduralandsituational}andthemes)
- Analysis of school syllabus, textbooks and other printed materials in Biology (NCERT,State)on thebasis of NCF2005and position paper on teachingofscience.
- Learning resources in Biological Science: Charts,Graphs,Bulletin Boards, Models,Filmstrips,slides,transparencies,andopeneducationresources (Preparation, collection, procurement and use)
- Laboratoryaslearningresource:PreservationofBiologicalspecimensandbuildingBiologica lmuseum, Scienceexhibitions and Scienceclubs. Localityand communityas learningresources.

Unit – 4 Approaches and Methods of Learning Biology

(Number of classes-12)

- Observation:Types,importanceinBio-Science,process andrecording of observation
- Experimentation:Experimentationundercontrolledconditionswithinlaboratoryandbeyon d laboratorysituations; Processand limitations
- Problem solving: Problem identification, formulation of hypotheses, collection of data,testinghypothesesandarrivingatsolution(withsuitableexamplesfromBiologicalScien ce).
- Project: Situation analysis, selection of the project, preparation of the project proposal, implementation, evaluation and reporting the project.
- Use of ICT for self- learning and collaborative learning in learning concepts of Biologicalscience.

TransactionalStrategies:

- Lecture, lecture cum Discussion, Project work, Demonstration through A.V. aidslikepowerpointpresentations, ActionResearch, Visit, Groupwork and Presentations
- Group work for developing different types of plans, especially lesson plans totransactdifferentBiological science conceptsemployingdifferentapproachesandmethodsas specifiedinUnit 4.
- GroupandindividualworkindevelopingplansandtoolsforconductingCCAinBiological sciencefordifferent classes atthesecondarystageof schooling.

Practicum (No. of classes-08)

Each Pupil- teacher has to select any two from the following activities and submit the reports:

- Prepare and present two lessons from secondary syllabus of Biology by using learning resource (one must be by PPT).
- Interviewing with the Biological teachers from University and schoolabout nature and practices of teaching biological science and reporting.
- Analysis of secondary level Biology Text book of B.S.E., Odisha and NCERT
- AnalyzeNCF2005 document and report about nature and aimsof teaching and learning of Bioscience.

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	2	2	1	-	2	1	1	1	-	-
CO2	-	1	1	1	-	-	1	-	-	1
CO3	1	2	2	1	-	1	-	3	-	2
CO4	-	-	-	3	2	2	-	-	-	-
CO5	3	2	2	-	1	3	1	-	-	2

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	1	3	1	3	1	1	2	-	2

SuggestedReadings

- Fraser, B.J. and Tobin, K.G. (Eds.). *International handbook of science teaching (Part1)*. Dod recht, The Netherlands: Kluwer Academic.
- MintzesJ., Wandersee, J. and Novak, J. (Eds.) (2000). *Assessingscienceunderstanding: Ahu man constructivistview*. SanDiego, CA.: AcademicPress.
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- JournalofResearchinScienceTeaching(Wiley-Blackwell)

- *Science & Children.* A peer reviewed journal published by National Science TeachersAssociation(NSTA).
- *TheScienceTeacher*.ApeerreviewedjournalpublishedbyNationalScienceTeachersAssoc iation (NSTA).

CPS 3: Pedagogy of Social Science (Part-I)

Credit-4

Course Outcomes

After completion of this course the pupil- teacher will be able to

- CO1 Explain social science as an individual academic discipline and an integrated/ interdisciplinary area of study
- CO2 State different teaching learning strategies for social science subject
- CO3 Differentiate the content and contextual application of various method of teaching
- CO4 Identify, prepare, collect different teaching-learning resource materials and use effectively in the classroom
- CO5 Critically analyze text book and syllabus of social science subjects at different stages of school education

CO6 Prepare annual plan, unit plan and lesson plan in social science teaching.

Unit-I Social Science as an Interdisciplinary area of Study: Context and Concerns(Number of Classes 14)

- Meaning, Nature, Scope and Importance of Social Sciences
- Correlation of social sciences with life, nature, mathematics, science and technology
- Perspectives of Social Sciences in school curriculum: How social facts and opinion, explanations and arguments; and spatial and temporal contexts are constructed
- Present position of social sciences in school curriculum
- General and subject specific objectives of social sciences at different stages of school education
- Development and organization of subject related content at different stages of school education

Unit-II Teaching-learning Strategies in Social Sciences

(Number of Classes 10)

- Interactive, critical pedagogy and constructivist strategies in social sciences
- Teaching-learning strategies in social sciences: Narration cum discussion, problem solving, observation, field trip, project work, concept mapping, collaboration, cooperative learning, dramatization, simulation, bal-panchayat, mock parliament, storytelling, computer assisted learning and teaching-learning strategies for children with different abilities

(Meaning and uses of above mentioned teaching-learning strategies in different subject areas)

Unit-III Learning Resources in Social Science Pedagogy (Number of Classes 10)

• Primary and Secondary Sources: Data from field, library materials such as textual/reference materials, journals, magazines, newspapers, reports, documents, records and gazettes, dictionaries and encyclopedias

• Teaching-learning resources in Social Sciences: Preparation, collection and use of content specific teaching learning materials- -atlas, map, globe, map book -timeline, historical map -table, diagram, graph -chart, picture, photograph, model -T. V., radio, CDs, multimedia and internet, satellite imagery and aerial photograph.

Unit-IV Lesson Planning, Instruction and Social Science Text Book (Number of Classes 08)

- Planning for instruction in social sciences (Planning of different skills, strategies, activities and learning experiences in different social sciences subject areas)
- Development of year plan, unit plan and lesson plan
- Characteristics of good textbook in Social Sciences
- Analysis of social science text books in the light of concepts, pedagogical processes, resources, child perspectives, national and state interests (social science text books of different school boards may be taken up for discussion and analysis)

Transactional Strategies

- Lecture-cum-discussion along with interactive group discussion
- Project work
- Field trips, group discussions, brain storming and simulation in the form of mock session, BalPanchayat etc.
- Development of skills and demonstrations of timelines, charts, models and map by hand on experience be made,
- Use of ICT and Newspaper clippings, Quiz box on current affairs, wall magazines.

PracticumFull Mark- 25

(Number of Classes 08)

Each student teacher is to select any two of the following activities and submit the reports/ materials developed:

- Organization of Programmes
 - ✓ Organization of Group Discussion
 - ✓ Development of CAL Package
 - ✓ Exhibition of teaching aids in social sciences
 - ✓ Preparation of Annual plan, Unit plan and Lesson plan
 - ✓ Organization of Bal-panchayat, Mock Parliament
 - ✓ Text book and syllabus analysis reports
 - ✓ Find out General and subject specific objectives of social sciences at different stages of school education

PSO - CO MAPPING

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	PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10		
	CO1	1	-	3	3	3	1	1	1	-	-		
	CO2	1	-	3	1	-	-	-	-	-	1		
	CO3	1	3	2	1	-	-	-	-	-	-		
	CO4	-	-	-	-	2	2	-	-	-	-		
	CO5	3	-	2	-	1	3	2	-	-	-		
	CO6	-	-	2	-	3	2	1	2	3	-		

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	-	3	1	1	1	1	1	-	-

- Arora, K.L. (1976). *The Teaching of Geography*. Jullandhar: Prakash Brothers.
- Bhaduri, A. (2005). Development with Dignity: A case for full Employment, New Delhi: National Book Trust.
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- Broadman, D. (1985). *New Directions in Geography Education*. London: Fehur Press.
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- George, A. M. and Amman, M. (2009). Teaching Social Science in Schools: NCERT's New Textbook Initiative. New Delhi: Sage.
- ▶ Ghate, V.D. (1956). *Teaching of History*. Bombay: Oxford University Press.
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CPS 3-Pedagogy of Physical Science (Part-I)

Credit-04

Course Outcome-

On completion of the course, the pupil teacher will be able to

- CO1 States the nature and importance of Physical Science and its relevance in school curriculum
- CO2 Specify various aims and objectives of learning physical science
- CO3 Explain the process of science and role of laboratory in teaching-learning situation.
- CO4 Analyze and use various methods and approaches of teaching-learning of physical science.
- CO5 Explore and develop different learning resources and materials in learning different units in Physical Science.
- CO6 Explain the inter-relation between science and other subjects.

Unit1:Nature and Scope of Physical Science

- Physical Science as a domain of inquiry, as a dynamic and expanding body of knowledge
- Historical Perspectives in Physical Science with illustration from topics such as structure of atom, law of chemical combination, electricity, stoichiometry, equivalent mass, models of the universe, nature of light, and magnetism etc.
- Scope of Physical Science
- Interdisciplinary linkages and social concerns in physical science
- Place of physical science in school curriculum
- National Curriculum Frameworks of NCERT with specific reference to Physical Science Education
- Analysis of school syllabus, textbooks and other printed materials in Physical Science (NCERT, State)

(Number of classes 12)

Unit2: Aims and objectives of Teaching Physical Science(Number of classes 7)

- Aim of teaching physical science at school curriculum
- Knowledge and understanding through science, Nurturing process skills of science, developing scientific attitude and scientific temper
- Nurturing curiosity, creativity and aesthetic sense in Physical science
- Imbibing various values related to Science Developing problem solving skills in Physical Science.

Unit3: Approaches and Strategies in Teaching Physical Science (Number of classes 13)

- Selecting appropriate approach and strategy in learning Physical Science based on content, learner, context
- Role of Observation and Experimentation in learning Physical Science
- Approaches and Strategies of learning Physical Science: Collaborative learning, Problem solving, Concept mapping, Conceptual Change Model, Experiential learning, Inquiry approach, Project Method, Analogy strategy
- ICT integrated Physical Science Learning

Unit4: Preparation and Use of Learning Resources in Physical Science (Number of classes 9)

- Preparation, collection, procurement and use of learning resources in Physical Science such as Charts, Graphs, Bulletin Boards, Models, ICT resources etc.
- Laboratory as a learning resource to facilitate induction, deduction, process Skills acquisition, nurturing creativity, Experiences in organizing physical science laboratory
- Role of Science museum, Science exhibitions and Science clubs in facilitating learning Physical Science
- Innovative materials and processes, Community resources in learning Physical Science

Transactional Strategies

- Lecture, lecture cum Discussion, Project work, Demonstration through A.V. aids like power point presentations, Action Research, Visit, Group work and Presentations
- Group work for developing different types of plans, especially lesson plans to transact different physical science concepts employing different approaches and methods as specified in Unit 3.

Practicum

No of classes- 8

Each pupil teacher should undertake minimum two of the following:

- 1. Developing five activities/experiments in physical science and prepare a brief report.
- Assignment on Contribution of eminent scientists- Isaac Newton, John Dalton, J.C.Bose, Albert Einstein, Niels Bohr, C.V.Raman, Marie Curie, De Broglie, V.Ramakrishnan etc.
- 3. Preparation of materials and programmes to inculcate scientific attitude among students.
- 4. Drawing concept-maps for secondary level physical science concept.
- 5. Design and develop at least two learning resources for physical science (one out of them has to be an ICT based learning resource)

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	1	2	-	3	2	2	1	1	-	1
CO2	1	-	1	-	-	2	-	-	-	-
CO3	2	3	2	1	-	-	1	-	3	-
CO4	-	-	-	-	2	2	3	-	3	-
CO5	3	-	2	-	3	3	2	-	3	-
CO6	-	2	-	3	3	2	-	-	3	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	3	3	2	3	2	2	1	3	1

Suggested Reading

- 1. Fraser, B.J.and Tobin, K. G. (Eds.).*International handbook of science teaching* (*Part1*). Dodrecht, The Netherlands: Kluwer Academic.
- 2. MintzesJ., Wandersee, J. and Novak, J. (Eds.) (2000). Assessing science understanding: *Ahuman constructivist view*. SanDiego, CA.: Academic Press.
- 3. NCERT (2000). Position paper of national focus group (NFG) on aims of education.National Council of Educational Research and Training(NCERT), New Delhi.
- 4. NCERT (2000).*Position paper of national focus group(NFG) on education for peace*. National Council of Educational Research and Training(NCERT), New Delhi.
- 5. NCERT (2000).*Position paper of national focus group(NFG)on examination reforms*. National Councilof Educational Research and Training (NCERT), New Delhi.
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- 7. NCERT 2000).*Position paper of national focus group (NFG)on habitat and learning*. National Council of Educational Research and Training (NCERT), New Delhi.
- 8. NCERT (2000). *Position paper of national focus group (NFG) on teaching of science*. National Council of Educational Research and Training (NCERT), New Delhi.
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- 11. Steve Alsop, Keith Hicks(2007). Teaching Science: A Handbook for Primary and Secondary School Teachers, Kogan Page, New Delhi.
- 12. Sutton, C.R. & Hayson, J.H. (1974). *The art of the science teacher*, McGraw Hill Book Company Ltd.
- 13. Vaidya,N.(1999). *Science teaching for 21st Century*. Deep & Deep Publication.
- 14. Journal of Research in Science Teaching (Wiley-Blackwell)
- 15. *Science & Children*. A peer reviewed journal published by National Science Teachers Association(NSTA).
- 16. *The Science Teacher*. A peer reviewed journal published by National Science Teachers Association (NSTA).

SEMESTER-VI

CPS 2: Pedagogy of First Language (Odia) (Part-II)

Credits-4

Course Outcomes

On completion of the course, the pupil teacher will be able to

- CO1 Analyse different methods, approaches for teaching Odia at various levels and context.
- CO2 Design pedagogical strategies for teaching-learning Odia using different methods and approaches.
- CO3 Plan and Transacts lesson plans covering all aspects of Odia language.
- CO4 Construct assessment tools and test items in Odia.
- CO5 Prepare appropriate teaching-learning materials and use effectively.

Unit 1: Teaching Odia: Methods and Techniques

- (No. of classes-12)
- Meaning of Method and techniques and their differences
- Methods: principles, objectives, advantages, limitations
- Audio-lingual method, Comprehension-Appreciation, Communicative teaching- learning
- Techniques and Activities: Language games, Group work, Pair work, Collaborative and Co-operative work, Project and Peer interaction
- Implications of methods and techniques for classroom transaction.

Unit II: Planning Learning Activities (No. of classes-12)

- Lesson plan, unit plan(importance, prerequisites, steps)
- Teaching-learning of different content (Objectives, forms, transactional strategies following communicative and constructivist approaches(5E and ICON Model)
 - Prose (detailed and non-detailed)
 - ➢ poetry
 - Grammar and composition

Unit-III: Learning assessment in Odia

- Assessing language skills: strategies –oral & written; peer and group assessment
- Continuous Compressive Assessment (CCA) periodicity, assessment tools, reporting and feedback.

(No. of classes-10)

- Framing objective based test items: extended response type, restrictive response type and objective type.
- Constructive approach to assessment: Rubric, Portfolio, Journal writing.

Unit IV: Learning Resources(No. of classes-08)

- Developing local specific teaching learning materials
- ICT based instructional material
- Language laboratory, language clubs: formation, uses, organizing various activities.
- Text book analysis: purpose and process

Transactional Strategies

- Lecture cum Discussion
- Project work

- Demonstration through A.V. aids like power point presentations, phonetic charts, documents, tape recorders, stories, plays, photographs and videos etc.
- Use of language lab practicum, language games
- Use of software packages of text, games, phonetic transcription applications
- Use of ICT based language materials

Practicum (No of classes-08)

Each student teacher should undertake minimum two of the following:

- Do a comparative study of one textbook of Odia from any two levels (elementary and secondary)
- Analyze the question papers of Odia language (Previous-3 years) classes from I X &XII (any board) in the light of new approach of assessment.
- Develop objective based objective type test items for upper primary and secondary stage to assess all the aspects of language learning.
- Select any ten questions from the class Odia textbook which lend scope to the creativity of the learners.

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	2	2	-	-	2	1	3	1	-	-
CO2	2	1	3	1	-	-	-	-	-	1
CO3	1	-	-	2	-	-	-	3	-	-
CO4	-	-	-	-	2	2	-	-	-	3
CO5	3	-	2	-	1	3	2	-	3	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	1	3	1	2	2	2	2	2	2

Suggested Readings

- National Curriculum Framework 2005; NCERT, December 2005.
- > National Curriculum Framework 2005, Position Paper, National Focus Group on
- > Teaching of Indian languages, NCERT, 2006.
- The Right of Children to Free and Compulsory Education Act-2009, The Gazette of India, 2009.
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Odia

- ▶ Ryburn,W.M.Teaching of Mother Tongue,Falmer Press
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CPS 2: Pedagogy of Language (English) (Part-II)

Credits-4

(No. of classes-12)

(No. of classes-12)

Course Outcomes

On completion of the course, the pupil teacher will be able to

- CO1 Analyse and use different methods, approaches for teaching English at various levels in the Indian content and context.
- CO2 Create and organise activities, tasks for learners including audio-video materials, ICT and Internet.
- CO3 Transacts various types of lesson plans covering all aspects of English language following different approaches.
- CO4 Develop strategic plan and techniques for assessing comprehensive English knowledge among students.
- CO5 Identify Problems of articulation in English in Indian context, its causes and remediation.

Unit-I: Approaches, Methods and Techniques

• meaning of approach, method and techniques and their differences

- Approaches: (meaning, principles, techniques, advantages and limitations)
 - Structural-oral-situational approach
 - Communicative approach
 - ➢ Silent way
 - Suggestopedia
 - Total Physical Response(TPR)
- Methods: grammar-translation, Direct method, Audio-lingual method, Bilingual method, Communicative teaching- learning
- Techniques and Activities: Language games, Group work, Pair work, Collaborative and Cooperative work, Project and Peer interaction
- Implications of approaches, methods and techniques for classroom transaction.

Unit-II: Planning and Assessment

• Prerequisites for planning lessons: Determining the scope of content to be dealt with, specifying learning objectives, choosing methods, approaches and strategies, arranging teaching- learning materials, designing teaching learning activities and designing formative assessment strategies.

- Teaching different content areas: Objectives, importance and procedure, transactional strategies following communicative and constructivist approaches (5E and ICON Model)
 - Prose (detailed, non-detailed)
 - > Poetry
 - ➢ Grammar (formal, functional)
 - Composition (essay, letter, noting, drafting)
 - > Vocabulary
- Assessing language skills: strategies –oral & written; peer and group assessment; assessment within and beyond class room.
- Continuous Compressive Assessment (CCA) of learning in second Language– periodicity, assessment tools, reporting and feedback.
- Framing objective based test items: extended response type, restrictive response type and objective type.
- Constructive approach to assessment: Rubric, Portfolio, Journal writing & Open ended item.

Unit-III: Learning Resources for Teaching-Learning English(No. of classes-06)

- Online language learning resources- access and use of ICT.
- Developing local specific teaching learning materials & ICT based instructional material
- Language laboratory, language clubs(formation, Use, organizing various activities)
- Text book analysis: purpose and process.

Unit-IV: Place and Manner of Articulation

(No. of classes-10)

(No. of Classes- 08)

- Sounds of English language: Vowels, Diphthongs and Consonants along with phonetic transcription.
- Organs of speech: Their role in articulation.
- Stress: Meaning, pattern, form and principles.
- Intonation: Meaning and types
- Problems of articulation in English in Indian context: Nature, causes and remediation

Transactional Strategies

- Lecture cum Discussion
- Project work
- Demonstration through A.V. aids like power point presentations, phonetic charts, documents, tape recorders, stories, plays, photographs and videos etc.
- Use of language lab practicum, language games
- Use of language games, software packages of text, games, phonetic transcription applications
- Use of ICT based language materials

Practicum

Each pupil teacher should undertake minimum two of the following:

- Do a comparative study of one textbook of English from any class (VI to VIII) developed by any two states.
- > Identify and list Language (English) related errors common among students.

- Develop a question paper for upper primary and secondary stage to assess all the aspects of language learning.
- Analyze the question papers of English language (Previous-3 years) classes X &XII (any board) in the light of new approach of assessment.
- Frame objective based test items for assessing English learning from any class(VI to VIII) of BSE Board.

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	1	2	2	1	2	1	3	1	-	-
CO2	-	1	3	1	-	-	-	-	3	1
CO3	1	3	2	1	-	-	-	3	1	-
CO4	-	-	-	-	2	2	-	-	-	3
CO5	3	2	2	-	1	3	2	-	-	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	2	2	3	1	2	2	2	1	1	1

- National Curriculum Framework 2005; NCERT, December 2005.
- National Curriculum Framework 2005; Position Paper, National Focus Group on
- ➤ Teaching of English; NCERT, 2006.
- > National Curriculum Framework 2005, Position Paper, National Focus Group on
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- Jeremy Harmer, Longman Handbooks for Language Teachers, The Practice of English Language Teaching, 1998.
- Srijan1, Creative Writing and Translation, National Council of Educational Research and Training, New Delhi 2010.
- SamajhkaMadhyum, National Council of Educational Research and Training, New Delhi 2009
- Source Book on Assessment for Classed I-V, Language English, NCERT, October 2008.
- Learning Indicators till the Elementary Stage, National Council of Educational Research and Training, New Delhi 2015.
- Continuous Comprehensive Evaluation Exemplar Package for Upper Primary Stage in English, National Council of Educational Research and Training, New Delhi 2015
- Agnihotri, R.K., Khanna, A.L. 1994. (eds.), Second Language Acquisition: Socio-cultural and Linguistic Aspects of English in India (RAL1). New Delhi: Sage Publications.

- Beaumount, M. 1996. The Teaching of Reading Skills in Second/Foreign Language. Patras: The Hellenic Open University.
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- Prabhu, N.S. 1987. Second Language Pedagogy. Oxford; New York: Oxford University Press.
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- Kumar, Krishna, 2011. The Child's Language and the Teacher, a Handbook, New Delhi, National Book trust India.

CPS 2: Pedagogy of Mathematics (Part-II) Credits-4

Course Outcomes

On completion of the course, the pupil teacher will be able to

- CO1 Recognize and implement methods for improving the quality of Mathematics learning.
- CO2 Develop expertise in the creation, adoption and use of different types of instructional materials for effective teaching of Mathematics.
- CO3 Critically analyze various ways of continuing professional development of mathematics teacher.
- CO4 Explore different ways to create learning situations for different concepts of Mathematics.

Unit 1: Mathematical competency among students. No. of classes (08)

- Exploring the learner: Identifying students' strengths and weaknesses inMathematics learning; Remediation of weaknesses in Mathematics,
- Activities for enhancing motivation in Mathematics learning: Participation inMathematics competitions (like Mathematics Olympiads. National Talent Search)
- Quizzes, debates and exhibitions, gamesin mathematics, Mathematics club activities, life sketches of great mathematicians,
- Developing methodology for teaching children with dyscalculia: Symptoms, Types and Strategies of teaching.

Unit 2: Teaching Learning Materials

- Mathematics Textbooks: Characteristics and functions of a good MathematicsTextbook,
- Evaluation of Mathematics Text books: Physical aspects, Concept loading, Presentation styles- Diagrams, Graphs, Boxes, Anecdotes, Interesting, Clarity and precision, Activities, Practice and enrichment problems
- Use of various Teaching-Learning Material in Mathematics Charts, models, overhead projector, films with their specific use and limitations
- Mathematics Laboratory: Need, Materials in the laboratory, Setting the Laboratory,
- Functions of the Math. Laboratory

No. of classes (10)

Unit 3: Professional Development of Mathematics TeachersNo. of classes (10)

- Types of professional development(PD) program for Mathematics teachers:
- Courses and in-service programmes
- Mathematics Teachers association
- Journals and other resource materials, Using ICT and internet
- Professional growth—participation in Conferences/seminars/workshops;Participation in professional learning communities (PLCs) within and outside theschool.

Unit 4: Pedagogical Treatment of Content No. of classes (14)

Each of the following contents shall be analyzed in terms of the pedagogicaltreatment indicated in the right cell below.

Content	Aspects of Pedagogical
	treatment
• Number System, Ratio and	• Identification of concepts and
proportion	sub-concepts
• Set, Relations, and Functions	• Expected specific learning
• Algebraic equations: Linear,	outcomes
Simultaneous and Quadratic	• Methods / approaches of
Equations and their graphical	teaching-learning
solutions, Polynomials	• Teaching-learning materials to be
• Theory of Indices, Logarithm	used
andAnti-logarithm	• Expected teacher and students
• Lines and Angles, Axioms,	activities
• Triangles, Polygons and Circles,	
Coordinate Geometry,	Assessment
• Trigonometric Ratios and Identities	
• Problems on Height and Distance	

Transactional Strategies

- Lecture cum Discussion, audio-visual aids charts, models, power point presentations, and the like
- Group work and its presentation on different themes be made.
- Critical analysis of the school text book and syllabus be made.
- Action research may be undertaken on innovative practices
- Visits to schools in different socio-cultural contexts may be made.

Practicum

No. of Classes-08

Each pupil teacher has to select any two activities from the following and submit the reports.

- Observing and reporting community numeracy practices used by local society and within play or games.
- Case study on slow learners.
- Content analysis of Mathematics text book of BSE, Odisha/ NCERT.
- Preparing and presenting two PPT on any two lessons.

PSO - CO MAPPING

PSO/CO PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10

CO1	1	2	1	1	2	1	3	1	-	-
CO2	-	1	3	1	-	-	-	-	3	1
CO3	1	3	2	1	-	3	3	-	-	-
CO4	2	-	-	-	2	2	-	-	2	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	2	2	2	1	2	2	3	1	2	1

- Anice, J. (2008). Methods of Teaching Mathematics. New Delhi: Neelkamal Publications.
- Butler, C.H., Wren, F.L. and Banks, J.H. (1971). The teaching of Secondary Mathematics. New York: McGraw Hill.
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- Kumar, S. (1993). Teaching of mathematics. New Delhi: Anmol Pub. Pvt.
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- > Pandya, B. (2007). Teaching of mathematics. Agra: RadhaPrakashanMandir.
- Paul Chambers (2008). Teaching mathematics: developing as a reflective secondary teacher.New Delhi: Sage Publication.
- Rao, N.M. (2007). A manual of mathematics laboratory. New Delhi: Neelkamal Publications.
- Reeve, W.D. (1954).Mathematics for the secondary school. New York: Holt, Rinehart andWinston, Inc.
- Servais, W., and Varga, T. (ed.) (1971). Teaching school mathematics. A UNESCO SourceBook.UNESCO, Penguin books.
- Web Resources
 - o https://www.youtube.com/watch?v=hbDkSaSnbVM (Unit I)
 - https://www.youtube.com/watch?v=IO19-MTwThI (Unit I)
 - o https://www.youtube.com/watch?v=MrIdc-Hs-is (Unit I)

- https://www.youtube.com/watch?v=lhwAMhZQ6kU (Unit I)
- o http://mathigon.org/resources/value-of-mathematics.pdf (Unit I)
- http://mathedu.hbcse.tifr.res.in (Unit 3)
- http://www.ncert.nic.in/departments/nie/dee/publication/pdf/CCE_Math.pdf (Unit V)
- o http://www.ncert.nic.in/departments/nie/niew/school_kits/kit_manuals.html
- http://nrich.maths.org
- http://www.slideshare.net/MiraculeDanielGavor/ict-tools-in-mathematicsinstruction
- o http://www.arvindguptatoys.com/math-magic.php
- o http://karnatakaeducation.org.in/KOER/en/index.php/Portal:Mathematics
- o http://www.mathcelebration.com/index.html
- o http://map.mathshell.org
- o http://www.cimt.plymouth.ac.uk/projects/mep/default.htm
- o http://nrich.maths.org/students
- o http://mathbits.com
- http://www.math-play.com
- o http://www.geogebra.org
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- o http://etc.usf.edu/math
- o http://mathworld.wolfram.com
- o https://www.merlot.org/merlot/materials.htm?category=2513
- o http://www.ck12.org
- o https://www.khanacademy.org
- o http://www.learner.org/resources/browse.html?d=5
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- Matthew J. Koehler, Punya Mishra , Mete Akcaoglu& Joshua M. Rosenberg (2013), TheTechnological Pedagogical Content Knowledge Framework for Teachers and TeacherEducators,
- http://cemca.org.in/ckfinder/userfiles/files/ICT%20Integrated%20Teacher%20Ed ucation%20(Chapter%201).pdf
- Integrating Open Educational Resources Lesson Plan Integration Model Designed for PreService Elementary Educators Course: Mathematics Methods,
- https://currikicdn.s3-us-west
 files/54d2dd15bb67b.pdf
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- Teaching of Mathematics, NCERT
- o <u>http://www.ncert.nic.in/departments/nie/dse/activities/advisory_board/PDF/teaching_maths.pdf</u>

CPS2:PedagogyofBiologicalScience(PartII)

Credits-4

Course outcomes:

On completion of the course, the pupil teacher will be able to

CO1 Effectively use different activities and laboratory experiments for facilitating learning of Biological sciences

- CO2 Examine different issues and pedagogical processes in teaching Biological science at secondary level.
- **CO3** Explore different ways to create learning situations for developing different concepts of Biological science.
- **CO4** Design lessons by using constructivist approaches for effective classroom transactions in the subject of Bio-Science.
- **CO5** Analyze the importance of Professional development programmes for biology teacher.

Unit-1 Planning the process for teaching Biological science No. of classes-08

- Identification of concepts and unifying themes: Designing year and unit plan along with appropriate selection of learning resources
- Planning for transaction of concepts and connecting with their related concepts: across concepts/ themes; between scientific advances and the real worldandoutside theclass.
- Designing lesson plans based on different approaches (Behaviourist and Constructivist-5EandICON)byconsideringstudents'pace,learningstylesandlearningneeds.
- Stepsinvolved in developinglesson plans in 5E and ICON model.
- Concept mapping in the major areas of Biology.

Unit - 2 Learning and assessmentinBiologicalScience No. of classes -10

- Learning indicators in Biological sciences and assessment of these learning indicators intheform of learning evidences/ outcome in classroom and laboratory
- Development of assessment framework on the basis of CCE: Tools and techniques forlearningassessment inBiologylikeconstruction of classroom tests and unittest.
- Alternative strategies for assessment: Assignments, reports and records (laboratoryrecord, reports offield visits and excursion, Project work report); Portfolios and Rubrics; Preparation of learners' profile.
- Recording and reporting of learning evidences/outcome: Marks and grades; Assessment as reflecting process to facilitate further learning.

Unit – 3 Pedagogical treatments in Biological Science No. of classes -10

Each of the following contents shall be analyzed in terms of the pedagogical treatment indicated in the right cellbelow:

Content	Aspects of Pedagogical Treatment
 Cell and its Organization Plant and Animal 	• Identification of concepts and sub-concepts,
 Kingdom Environment and its Protection Principles of Evolution 	 Expected specific learning outcomes, Methods/Approaches of teaching-learning, Teaching-learning
Principles of Genetics and	 Teaching-learning materials to be used, Expected teacher and

Heredity	students activities,
	 Assessment strategies

Unit-4 Issues, Challenges of Biological science and Professional development of Biology Teacher No. of classes -10

- Changingtrendsin Biologicalscience; Role of Biotechnologyinsociety
- Democratizationofsciencelearning, Critical pedagogy (Critical theory) as basis to analyze progress in Biologicalscience as well as pedagogy of Biology (from the perspective of economicdevelopmentand politics ofknowledge)
- Professionaldevelopmentprogrammesforteachers:Inserviceteachertraining,Seminar,Conferences,participationinprofessionallearningcommunit ies.
- Field visits of teachers to botanical garden, National parks and Collaborationwith different schools, institutions of higher education and research in the fieldofBiology
- Exploration of ICT based online platforms for sharing the ideas, methods, strategies and teachinglearning resources.

Transactional Strategies:

- LecturecumDiscussion, audio-visual aids charts, models, powerpoint presentations,
- Groupworkanditspresentationondifferentthemesbemade.
- Criticalanalysisoftheschooltextbookandsyllabusbemade.
- Visitstoschools indifferentsocio-cultural contextsmaybemade.

Practicum

(No. of classes-08)

Each pupil- teacher should undertake minimum two of the following:

- Construction of a unit test on any topic of Biology by developing the Blue print and appropriate test items.
- Prepare a lesson plan in 5E model on any topic of Biological science at secondary level
- Design a year plan reflecting the content and time.
- Visiting two schools and recording the learning tools available for Biology teaching.

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	2	3	-	2	1	1	1	3	-
CO2	2	2	2	1	1	1	1	-	-	1
CO3	1	3	2	1	-	-	-	2	-	-
CO4	1	1	-	-	2	2	3	-	3	-
CO5	1	1	2	-	1	3	3	-	-	-

COURSE WISE AVERAGE MAPPING

		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
C	Course	2	3	3	1	2	2	2	1	3	1

- Fraser, B.J. and Tobin, K.G. (Eds.). *International handbook of science teaching* (*Part1*).
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- > NCERT(2000). Position paper of national focus group (NFG) one ducation for peace.
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- > NCERT(2000).Positionpaperofnationalfocusgroup(NFG)onexaminationreforms.
- NationalCouncilofEducationalResearchand Training(NCERT), NewDelhi.
- NCERT(2000).Positionpaperofnationalfocusgroup(NFG)ongenderissuesineducation. National Council of Educational Research and Training (NCERT), NewDelhi.
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- The Science Teacher.Apeer reviewedjournalpublished by NationalScience TeachersAssociation(NSTA).

CPS 3: Pedagogy of Social Science (Part-II)

Credit-04

Course Outcomes

On completion of the course, the pupil teacher will be able to

- CO1 State specific learning outcome for different contents of History, Geography, Political sciences and Economics
- CO2 Explain various skills and techniques for assessment of learning outcomes on social science
- CO3 Analyse the existing opportunities for professional development of social science teachers
- CO4 Critically evaluate present social, political, economic, environmental and other developmental issues
- CO5 Critically analyse various contents of social subject in relation to concept, mapping of concept, multiple application of concepts, strategies acquire concept and techniques to assess the learning outcomes.
- CO6 State different characteristics to become a professionally competent social science teacher
- CO7 Construct appropriate tools and techniques for assessment of the students learning outcomes in social sciences.

Unit-I Human Relationships, Identities and Interaction (No. of Classes 12)

- Issues of social change and social stratification in India: Caste, class, religion and gender
- Human-environment interaction: Location, place, region, movements and distribution of resources
- Society and political processes: Organs and functions of government, constitutional vision, electoral procedure and social movements
- Developmental issues: Resources, production, distribution, demand-supply and market mechanisms

Unit-II Professional Development of Social Science Teacher (No of Classes 10)

- Characteristics of social science teachers, skills and competencies
- Professional development of social science teachers: Orientation programmes and training (Seminars/conferences/symposium/workshops/panel discussion/exhibition and simulation activities like-*nukkad*, role-play and games)

Unit-III Assessment in Social Sciences

- Type and Importance of assessment in social sciences
- Continuous comprehensive assessment (CCE) in social sciences
- Quantitative and qualitative tools and techniques in social sciences (checklist, anecdotal records, observation, sociometry, rating-scale, rubrics and portfolio)
- Construction of tests: questions for testing cognitive and co-cognitive areas of learning
- Practicum Activities in social sciences (project, case study, survey, reflective diary and Action research)

Unit-IV Pedagogical Analysis of Content

Each of the following contents shall be analyzed in terms of the pedagogical treatment indicated below:

Content	Aspects of Pedagogical Treatment
History	Pedagogical content analysis of the
 The French Revolution Peasants and Farmers Clothing: A social history Nationalism in India Work, life and leisure Art and Culture Geography India- size and location Drainage Climate Natural vegetation and wild life Population Political Science Democracy in the contemporary world Constitutional Design Electoral politics Working of institutions Democratic rights Economics People as resource Poverty as a challenge 	 units with reference to: Identification of concepts and sub concepts Preparation of concept map Determination of expected specific learning outcomes Identification of inter-disciplinary of content Methods/ Approaches/ Strategies of Teaching learning Teaching learning materials to be used Expected teacher and students experiences and activities Assessment strategies (Formative)

(No. of Classes 12)

(No. of Classes 10)

• Food security in India	
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Transaction Modalities:

- Lecture cum Discussion method
- Narration cum discussion method
- Organization of opinion forum
- A comparative enquiry based on different socioeconomic contexts of schools could be made.
- Students should engage with sample, illustrative tools, and use of ICT to construct tests.
- Conduct and preparation of projects on various themes /contemporary social issues may be given to students in small groups.
- Action research to be conducted, case studies from different contexts to be presented in class.

Practicum

icum Full Mark- 25

(Number of Classes 08)

Each pupil-teacher should undertake minimum two of the following:

- Seminar presentation on themes reflecting social stratification, environmental, economic and political issues
- Submission of project, survey, action research and case study reports on suggested areas of social sciences
- Preparation of test items and testing tools
- Preparation of portfolio and rubrics
- Pedagogical content analysis report

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	1	1	3	1	3	1	1	1	-	-
CO2	-	1	3	1	-	-	-	-	-	3
CO3	1	3	2	1	2	2	-	-	-	-
CO4	2	-	-	-	2	2	-	-	-	-
CO5	3	-	2	-	1	3	2	-	-	-
CO6	-	-	2	-	3	3	-	-	3	-
CO7	-	3	2	-	1	2	-	-	2	3

PSO - CO MAPPING

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	2	2	3	1	3	3	1	1	2	2

- Arora, K.L. (1976). *The Teaching of Geography*. Jullandhar: Prakash Brothers.
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- > Dasgupta, P. (2007). *Economics: Avery Short Introduction*. Oxford University Press.
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- ▶ Root, M. (1993). *Philosophy of Social Sciences*. Oxford: Blackwell.
- Sartori, G. (ED.) (1984). Social Science Concepts: A Systematic Analysis. New delhi: Sage Publications.
- Slate, F. (1982). *Learning through Geography*. London: Butler and Tanner Ltd.
- Smith, M. (2002). Teaching Geography in Secondary Schools : A Reader. London: Taylor& Francis.
- Stanford, M. (1985). *The Nature of Historical Knowledge*. Oxford: Basic Blackwell.
- Trigg, R. (1985). Understanding Social Science: A Philosophical Introduction to the Social Sciences. Oxford: Basic Blackwell.
- > UNESCO.(1965). *Source Book for Geography Teaching*. London: Longman.

- > Verma, O. P. (1984). *Geography Teaching*. New Delhi: Sterling Publication.
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- Wilkins, E. J. (1979). Elements of social Science: A Philosophical Introduction to the Social Sciences. Oxford: Basic Blackwell.

CPS 3: Pedagogy of Physical Science (Part-II) (Credit-4)

Course Outcome:

On completion of the course, the pupil teacher will be able to

- CO1 Develop various teaching plans for teaching physical science at school level.
- CO2 Relate his/her role as a facilitator in enhancing Physical Science learning in the real classroom situation.
- CO3 Critically evaluate different ways of required learning situations according to needs and context of the learner
- CO4 States the concept in physical science included in the school curriculum and make pedagogical analysis of those concepts.
- CO5 Write the unit plan and lesson plan as per the norm of NCF-2005
- CO6 Prepare evaluation measures and tools for continuous and comprehensive assessment of learning in physical science.
- CO7 Justify various professional development programs in Physical Science for enhancement of competence of a science teacher.

Unit1: Planning for facilitating Learning in Physical Science (Number of

classes-12)

- Need for planning teaching-learning experiences in Physical Science
- Identification of Concepts and unifying themes related to Physical Science, interrelation among various concepts in Physical Science
- Designing of Year plan and Unit Plan in Physical Science and its significance in understanding comprehensive nature of knowledge
- Writing learning objectives for different content are as in Physical Science
- Planning lessons based on behaviorist and constructivist approaches-5E-model, ICON model considering learners with different pace, learning styles and learning needs
- Planning laboratory work and ICT application in learning Physical Science

Unit2: Assessment in Physical Science (Number of classes 9)

- Planning for assessment framework in Physical Science
- Learning Indicators in Physical Science
- Tools and techniques for assessment in Physical Science : assessment of written and oral work, project work, laboratory work, field trips, journal writing, concept map

Assessment of learners with special needs

• Recording and reporting of learning evidences – Measurement of students' achievement in Physical Science: marks and grading, Measurement of science process skills and aptitude of learners, Rubrics, Portfolio – its role in evaluating students' performance

Unit3: Professional Development of Physical Science Teachers (No of classes: 12)

• Need for professional development of Physical Science Teachers

• Various opportunities for teachers professional development :-interaction with peer teachers, membership of professional organization such as National Physics Teacher Association, sharing through conferences, seminars and Journals

• Collaboration with Research Institutes, Participation in professional learning community and in online forum

• Role of reflective practices in professional development

Unit 4: Pedagogical Processes and issues in Physical Science (No of classes: 7)

- Social and ethical issue related to physical science
- Inclusiveness in physical science learning
- Physical science and sustainable development

• Each of the following contents shall be analyzed in terms of the pedagogical treatment indicated in the right cell below:

Content	Aspect of pedagogical treatment
 Atomic Structure: Atoms and Molecules, Classification of elements, Motion, Laws of Motion, Concepts of Work, Energy, Pressure and their measurement, Energy: Sources and forms of energy, Renewable and non- renewable energy Electricity and Magnetism: Electric Circuit, Potential Difference, Magnetic Field, Lines of Force, Electro- magnetic induction. Chemical Reactions and Equation Heat, Light and Sound 	 Identification of concepts and sub-concepts, Expected specific learning outcomes, Methods / approaches of teaching-learning, Teaching-learning materials to be used, Expected teacher and students activities Assessment strategies

Transactional Strategies

- Lecture cum Discussion, audio-visual aids charts, models, power point presentations,
- Group work and its presentation on different themes be made.
- Critical analysis of the school textbook and syllabus be made.

Practicum No of classes- 8

Each Pupil teacher should undertake minimum two of the following:

- Preparation of year plan and unit plan in Physical Science
- Preparation of 2 lesson plans in Physical Science-one based on behaviourist and another on constructivist approach
- Preparation of a unit test on any topic in Physical Science by developing the Blue print and the test items conforming the blue print.
- Designing pedagogical treatment for any topic of physical science and designing learning activities.

- Visit to any of the professional organization and prepare a report on the in-service professional development programmes that they organize for Science teachers
- Developing rubrics for laboratory work, assignment, field trip, project etc.

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	3	-	2	1	1	3	-	-
CO2	-	1	3	1	-	3	-	-	-	1
CO3	2	3	2	1	-	-	-	-	-	-
CO4	-	-	-	-	2	2	-	-	-	-
CO5	3	-	2	-	1	3	2	3	-	-
CO6	-	-	2	-	3	2	-	-	3	3
CO7	-	3	2	-	1	2	-	-	-	1

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	2	2	3	1	3	3	1	2	1	2

- NCERT (2000). Position paper of national focus group (NFG) on teaching of science. NationalCouncil of Educational Research and Training (NCERT), New Delhi.
- Steve Alsop, Keith Hicks. (2007). Teaching Science: A Handbook for Primary and Secondary School Teachers, KoganPage,New Delhi.
- Judith Bennett(2003) Teaching and Learning Science: A guide to recent research and its applications, Continuum, London.
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- > NCERT Textbook in Physics for IX and X Students.
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- Novak DJ and D Bob Gowin (1984) Learning how to learn, Press Syndicate of the University of Cambridge, Ohio.
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- Ralph Martin, Colleen Sexton, Kay Wagner, Jack Gerlovich (2000) Science for AllChildren:Methods for ConstructingUnderstanding,AllynandBacon,London.
- SchoolScienceReview, The Association for School Education, College Lane, Hatfield, Hertfordshire, AL109 AA, UK.
- PhysicsEducation, Institute of Physics Publishing, Dirac House, TempleBlock, Bristol BS1 6BE, UK.
- Physics Teacher, American Association of Physics Teachers, Department of Physics and Astronomy, University of Maryland, College Park, MO 20742

SEMESTER-VII EPC 4: Understanding the Self

Credit-02

Course Outcome

On completion of the course, the pupil teacher will be able to

- CO1 Define the concept of 'self' and 'identity'.
- CO2 Critically analyse on factors that shape 'self'.
- CO3 Build an understanding about self as a person as well as a teacher.
- CO4 Reflect on one's experiences, aspirations and efforts towards becoming a humane individual and teacher.
- CO5 Develop effective communication skills including the ability to listen, observe etc.
- CO6 Build resilience to deal with conflicts at different levels and learn to draw upon collective strengths to live in harmony with one's surroundings
- CO7 Appreciate the critical role of teachers in promoting 'self' and students' wellbeing.

Theme 1: Understanding of Self

- Reflections and critical analysis of one's own 'self 'and identity
- Identifying factors in the development of 'self' and in shaping identity
- Building an understanding about philosophical and cultural perspectives of 'Self' and
- Developing an understanding of one's own philosophical and cultural perspectives as a teacher

Unit-II: Development of Professional Self and EthicsNo. of classes-09

- Understanding and sharing one's identity and socio-cultural, historical and political influences in shaping the professional identity
- Exploring, reflecting and sharing one's own aspirations, dreams, concerns and effort in becoming a teacher
- Reflections on experiences, efforts, aspirations, dreams etc. of peers
- Building an understanding about values and professional ethics as a teacher to live in harmony with one's self and surroundings
- Understanding the role of teacher as facilitator and partner in well-being among learners

Unit-III: Developing 'Self': Teacher's Role No. of Classes- 08

- Creating a situation, opportunity: Reflecting on one's own childhood and adolescent
- Reflective practices for facilitating awareness of 'self' and 'identity'
- Developing skills among learners: effective listening, accepting, positive regard, understanding body languages.

No. of classes-08

Mode of Transaction

- Workshop and individual and group experiential activities such as
- Personal narratives and storytelling, group interactions, film reviews to help explore one's self and identity. Student-teachers to engage in varied forms of self-expression such as poetry, painting and creative movements, humour, aesthetic representations, etc.
- Sharing of case studies by student-teachers, critical analysis of biographies and presentations, group readings and sessions on stories children raised in different circumstances and how this affects self and their personal and social identity formation.
- Reflective discussions on films/documentaries where the protagonist undergoes trials and finally discovers her/his potential
- Development of reflective journals/diaries by the student teachers.
- Introduction of Yoga, meditation as one of the important component to enhance student-teachers understanding of body and mind.

Guidelines for Assessment

Sl.No	Activities	Marks
1	Exploring the 'known' and 'unknown 'self in relation to what	5
	one and others know about one self and what others do not know	
	(group activity)	
2	Reflecting, recording and sharing of critical moments in one's	10
	life (individual activity and presentations)	
3	Reflections on critical moments in the lives of peers (small group	5
	activity)	
4	Exploring one's strengths, weaknesses, opportunities and threats	10
	(SWOT analysis	
5	Group activities involving community participation	20
Total		50

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	3	-	3	1	1	1	-	-
CO2	-	1	3	1	3	-	-	-	-	1
CO3	1	3	2	1	3	-	-	-	-	-
CO4	-	-	-	-	2	3	-	-	-	-
CO5	3	-	2	-	1	3	2	3	-	-
CO6	-	-	3	-	3	2	-	-	3	-
CO7	-	3	3	-	1	2	-	-	-	1

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	2	2	3	1	3	3	1	2	1	1

- Bhatt, H. (n.d.). The diary of a school teacher. AnAzimPremji University Publication. Retrieved from www.arvindguptatoys.com/arvindgupta/diary-school-teacher-eng.pdf
- Bhattacharjee, D.K (ed). (2010). Psychology and Education Indian Perspectives, Section III 'Self and Growth Process' pg. 255-402, NCERT Pub
- Dalal, A.S. (ed) (2001). A Greater Psychology An Introduction to the Psychological thoughts of Sri Aurobindo. Puducherry, Sri Aurobindo Ashram Pub.
- Delors, J. (1996). Learning the Treasure within –Twenty First Century Education.UNESCO Education Commission Report.
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- Gulati, S., and Pant, D. (2012). Education for Values in Schools A Framework. NCERT Pub
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- Krishnamurti, J. (2000). Education and Significance of Life. Chennai, Krishnamurti Foundation India.
- Mukunda, K.V. (2009). What did you ask at school today? A handbook of child learning, Harper Collins
- Olson, D.R, and Bruner, J.S. (1996). Folk Psychology and folk pedagogy. In D.R. Olson & N. Torrence (Eds.), The Handbook of Education and Human Development (pp. 9 -27), Blackwell

EPC 5: Arts in Education

Credit-02

Course Outcome

On completion of the course, the pupil teacher will be able to

- CO1 Express ideas and emotions about different aspects of life through different art forms.
- CO2 Appreciate and distinguish different art forms.
- CO3 Develop aesthetic sensibility among learners about the good and beautiful environment, including classroom, school, home and community through an integrated learning approach.
- CO4 Integrate the knowledge of art with daily life through learning with different media and techniques by using creative expression and making objects of common use.
- CO5 Create awareness about the rich cultural heritage of their own locality/state/region as well as that of the nation.
- CO6 Explore the life and work of artists and their contribution to teaching and learning.

Theme 1: Forms of art

- music, dance, theatre and visual arts
- appreciate different art forms
- integration of art forms in classroom process
- analyse text books for integration of different art forms

Theme 2: Expression through art forms No. of classes-08

No. of classes-08

- Expressing ideas about different aspects of life
- Expressing various emotions
- Enhancing communication and presentation skills, developing imagination, creativity and aesthetic sensibility among the student teachers
- Utilizing different art expressions in teaching learning situation

Theme 3: Cultural heritage of India No. of classes-08

- Exposure to the cultural heritage of
- Locality
- state/region
- nation
- Reflection and incorporation of the rich cultural heritage during the celebrations of festivals, functions and special days
- Document processes of an art or craft form from the pedagogical point of view; such as weaving or printing of textiles, making of musical instruments, folk performances in the community
- Acquaintance with the life and work of artists and their contribution to teaching and learning.

Sl. no	Activity	Marks
1	Presentation on anyone art form	10
2	Textbook analysis to find out integration of art forms	5
3	Prepare a lesson incorporating one or more artistic expression	15
4	Documentation of any one heritage art form	10
5	Write up on life and work of any one artist (local or national)	10
Total		50

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	3	-	3	1	1	1	-	-
CO2	-	1	3	1	3	-	-	-	-	1
CO3	1	3	2	1	-	-	3	-	-	-
CO4	-	-	-	-	2	2	-	-	3	-
CO5	3	-	2	3	1	3	2	-	-	-
CO6	-	-	2	-	3	2	-	-	3	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
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	Course	2	2	3	2	3	2	2	1	2	1
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Suggested Readings

- Position Paper- National Focus Group on Arts, Music, Dance and Theatre NCERT, 2006, New Delhi
- > Position Paper- National Focus Group on Heritage Crafts, NCERT, New Delhi, 2006
- ▶ NCF 2005
- NROER- National Repository of Open Educational Resource, Department of School Education &Literacy, MHRD.
- > The following NCERT books may also be referred to
- Living Craft tradition of India (Textbook in Heritage Crafts) NCERT
- > Exploring the Craft Tradition of India NCERT
- BharatiyaHastakalakiParamparayen, NCERT
- > An Introduction to Indian Art, NCERT
- BharatiyaHastkalaParamparakiKhoj, NCERT
- > Craft Tradition of India (Textbook in Heritage craft for class XII)
- > Art Education- Teachers' Handbook for Class I, II, III, IV, V, VI, VII, VIII, IX
- Source Book on Assessment for Classes I- V, Art Education

EPC 6: ICT Practicum Credit-02

Course outcome

On completion of the course, the pupil teacher will be able to

- **CO1** Apply different ICT tools in teaching-learning process.
- **CO2** Develop awareness and exposure to different ICT tools and resources.
- CO3 Design ICT based lesson plan for classroom transaction.
- CO4 Evaluate teaching-learning process using ICT.

Theme1: Exposure on hardware/software No.of classes-07

- Hands on experience in setting up a desktop/PC and working with various input devices, output devices, storage devices, and display devices
- Practicing word processing using Indian language software
- Using word processor, spread sheet, and presentation software to produce various teaching learning resources.

Theme2: Awareness and exposure to ICT Tools No.of classes-07

- Locating internet resources navigating, searching, selecting, saving and evaluating (use standard internet evaluation criteria)
- Creating screen cast video of a lessons, Embedding Audio, Video With Photos
- Embedding Animations and Transitions Uploading You Tube Video (Using Movie Maker Software) 72
- Shooting, editing, and sharing of videos segment on any educational topic
- Creating a podcast using audacity and sharing it on podcasting site

Theme3:- Developing ICT based lesson PlanNo.of classes-05

- Creating technology based lesson plan
- Developing lesson plan by using 5E Model and ICON Model and ICT
- Creating e-content

Theme 4:- Use of ICT in Assessment and management No.of classes-06

- Creating e-portfolio
- Creating data base of group of students
- Creating and using rubrics for assessment (online, offline)
- Connecting with parents and community through ICT
- Any other activity may also be taken up as per the experience and expertise of the resource person.

Guidelines for assessment:

Sl no	Activity	Marks
1	Preparing a document using word / PPT	10
2	Create a documentary file	10
3	Design a project using e portfolio	10
4	Develop an e-content and share it using	10
	blog/Wikipedia/word press/YouTube	
5	Create a data base for student management system	10
Total		50

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	3	-	2	1	1	3	3	-
CO2	-	1	3	1	3	-	-	-	-	1
CO3	1	3	2	1	-	-	-	3	-	-
CO4	-	-	-	-	2	2	-	-	-	3

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	1	2	3	1	3	1	1	2	1	2

- Ahmad, J., Ahmad, M.S. and Khan, A. (2012), Computer Applications in Education, Neelkamal Publication, Hyderabad, PP-288, ISBN: 978-81-8316-293-7.
- Bharihok, D. (2000). Fundamentals of Information Technology. Pentagon Press: New Delhi.
- CEMCA (2014). *Technology Tools for Teachers*, Commonwealth Educational Media Center for Asia, 13/14 SarvaPriyaVihar, New Delhi.
- David, M. (2009). Project Based Learning- Using Information Technology- Second Edition. Viva Books: New Delhi.

- James, K.L. (2003). The Internet: A User's Guide. Prentice Hall of India Pvt. Ltd: New Delhi.
- LaxmanMohanty, NeeharikaVora (2008). ICT strategies for schools- a guide for school administrators. Sage Publications: New Delhi.
- Manoj Kumar Dash (2010). ICT in teacher development, Neel Kamal Publications: New Delhi

EPC 7: Library Resources

Credit-02

Course Outcomes

On completion of the course, the pupil teacher will be able to

CO1 Develop understanding of library Facilities, Organization, Resources and Services.

CO2 Explore different Books, Periodical Articles and Other Resources.

CO3 Evaluate information based on ones' interest.

CO4 Use of library more effectively by minimizing the time of searching different Resources in Library.

CO5 To get an exposure to school library.

Theme 1: Library as a resource of learning No of classes-08

- Layout of a library
- Library Procedures- Cataloguing, classification, Locating a book/material in the library.
- Library as a resource of learning
- Maintain a list of books and journals that has been read during the earlier two semester
- Make a dossier with relevant websites and notes on their learning potential
- Visiting a Library

Theme 2: Library Resource Management No. of classes-07

- Types of Books and other Material used by different readers.
- Dimensions of setting up of a school library
- Locating information and using it for one's own career development
- Resources helpful in providing information for career development: Newspaper, Magazines, Websites, Learning guides, Members of local community, Resource persons, Websites.
- Role of teacher/librarian in promoting reading habits among learners
- Write a reviews of at least one book and one article
- Interview resource persons/member of local community and/or organize a 'learning encounter' with any of them for their fellow students

Theme 3: Activities in a school library No. of classes-10

- Make a plan for setting up of a school library and discuss it with the school he/she has attached with and write a programme-evaluation report.
- A small survey to collect information about different kinds of libraries in the city may be conducted.
- A project may be taken to discern the present status of libraries in schools.
- In addition, each student-teacher should also undertake any one of the following: Discern learning opportunities in the local environment, and create an occasion and/or a strategy for some significant learning for fellow students.

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	2	-	3	-	3	1	1	1	-	-
CO2	-	1	3	1	3	-	-	-	-	1
CO3	2	3	2	1	-	-	-	-	-	-
CO4	-	-	-	-	2	2	-	-	3	-
CO5	2	-	2	-	1	3	2	-	3	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	2	1	3	1	2	2	1	1	2	1

- Blacknell Forest Library &InformationService (2015).Resource Management Policy and Standards.
- CBSE School Library Guidelines (2009). http://librarynext.files.wordpress.com/2009/05/library199.pdf
- Chaudhary, S.K. (2011). Library Preservation and Conservation. New Delhi: APH
- Gorman, G.E. &Shep, Sydney j., ed. (2006). Preservation Management for Libraries, Archives and Museums. London: Facet Publishing.
- Harrison, Colin & Beenham, Rosemary ((1985). The Basics in Librarianship. 2nd rev. ed. London: Clive Bingley.
- Jain, M.K. (2008). Teaching Learning Library and Information Services: a Manual. 2nd rev. ed. Delhi: Shipra.
- Krishan Kumar (1989). Library Administration and Management. 3rded. New Delhi: Vikas Publishing
- Krishan Kumar (1996). Library Organization. Rev. ed. New Delhi: Vikas Publishing.
- Ranganathan, S. R. (2008). Library Manual: for School, College and Public Libraries. New Delhi: EssEss Publications.
- Sengupta, Benoyendra (1981). Indian Reference and Information Sources. Calcutta: The World Press.
- Umapathy, K.S. (1978). Information sources: an international selective guide. New Delhi: Vikas Publishing.

Sl. No.	Activity	Marks
1	Practical work on	10
	classification, locating and	
	arrangement of books	
2	Review of any one book and	15
	one article	
3	Observation report on a	15
	school library	
4	Making a plan for setting up	10
	of a school library	
Total		50

Guidelines for Assessment

EPC 8: Reading and Reflecting on Texts

Credits-02

Course Outcomes

On completion of the course, the pupil teacher will be able to

- CO1 Develop proficiency in reading and responding to written texts.
- CO2 Examine and appreciate authentic literary and non-literary texts.

CO3 develop study and reference skills

CO4 Reflect on the ideas expressed in the texts.

CO5 Plan, draft, edit and present a piece of writing related to their understanding of a text.

Unit 1: Stories and excerpts from narratives (any one or more)

No. of classes-10

- How I Taught My Grandmother to Read and other Stories- Sudha Murthy-Puffin. Books, 2004
- Tales from the Indian Jungle-Kenneth Anderson- Rupa& Co. 2001
- Tales of the Open Road- Ruskin Bond- Penguin UK-2006
- Encounters with Animals- Gerald Durrel-Penguin-2012

Excerpts from the following:

- The Diary of a Young Girl:Anne Frank, Random House.
- The man who planted trees- Jean Giono, Chelsea Green Pub.
- 'I have a Dream' Texts of speech delivered on Aug 28, 1963-Martin Luther King
- (Text and You tube version available.)

Unit 2: Essays /Excerpts from literary texts (any one or two)No. of classes-08

- The Elephant, the Tiger and the Cellphone-ShashiTharoor, Penguin, India.
- Nine Lives- In Search of the Sacred in Modern India- William Dalrymple, Bloomsbury, London.
- Running in the Family- Michael Ontage, Bloomsbury, London.
- Interpretor of Maladies (Title Story)–JhumpaLahari, Mariner Books.

Unit 3: Essays /Excerpts from Educational and Scientific Texts (Choose any three)No. of classes-07

- *Medium of education* (The selected works of Gandhi- Vol.6), Navajeevan Publication.
- A Brief History of Time- Stephen Hawking, Random House.
- Fall of a Sparrow- Salim Ali, Oxford.
- Education and world peace. In Social responsibility, (Krishnamurti, J.) Krishnamurti Foundation.
- National curriculum framework 2005. NCERT
- Civilization and progress. In Crisis in civilization and other essays. (Tagore, R.) Rupa& Co.
- *RTE Act, 2009*

Guidelines for Assessment

Sl no	Activity	Marks
1	Narrating any one story selected from Unit 1in own words; writing the summary of the story, extrapolation of the story; discussion on the ideas expressed	10
2	Converting any one situation from the text specified under Unit 1 into a dialogue followed by role-playing	10
3	Interpretation of the text, reflecting on the key ideas exposed in the texts specified under Unit 2 and preparing a write up based on any one text	10
4	Reflection on the ideas expressed in the selected essays/ excerpts specified under Unit 3	10
5	Seminars and open forum for discussion based on themes related to selected texts from Unit 3	10
Total		50

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	3	-	3	1	1	1	-	-
CO2	-	1	3	1	3	-	-	-	-	1
CO3	1	3	2	1	-	-	-	-	3	-
CO4	3	-	-	-	2	2	-	-	-	-
CO5	3	-	2	-	1	3	2	3	-	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	2	3	1	2	2	1	1	1	1

EF-1: School Exposure

Course Outcome

On completion of the course, the pupil teacher will be able to

Credit-02

- CO1 Experience school activities in totality
- CO2 Create awareness regarding functioning of schools.
- CO3 Develop an insight into the role of a teacher and learner

Activities

A group of student teachers need to visit schools. A brief orientation programme can be arranged before sending the student teachers to schools to acquaint them with the objectives and modalities of such programme. After completion of the field exposure programme, student teachers shall be required to develop a detailed report and share the same in a seminar/meeting at the Institute.

Evaluation: The activity will be assessed and graded as follows:

Grading on Five Point Scale

- A-Excellent
- B Very Good
- C Good
- D Average
- E Poor

The grading will take into account the preparation of report, presentation and reflection of pupil teachers

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	3	-	2	1	1	1	3	-
CO2	-	1	3	1	3	-	-	-	-	1
CO3	3	3	2	1	-	-	-	-	-	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	1	2	3	1	3	1	1	1	1	1

EF-2: School Exposure (Multicultural Placement)

Credit-02 Duration- 2 Weeks

Course Outcome

On completion of the course, the pupil teacher will be able to

- CO1 Select different type of schools such as urban, rural, tribal, schools for challenged learners etc.
- CO2 Connect to school activities with different cultures/set up.
- CO3 Develop the process of engaging students in classrooms through observing the practice adopted by regular teachers
- CO4 Develop understanding to manage a substitute (arrangement class)
- CO5 conduct classroom activities
- CO6 Conduct case studies

The institute will identify suitable number of cooperating urban schools, rural schools, and tribal schools, and students will be placed by rotation in all the three types of schools. All activities listed below are to be completed within two weeks during the placement of student

teachers in three types of schools in rotation. Each pupil teacher performs the following activities under the guidance of supervisor/mentor and prepares reports on all the activities. The report will be assessed as the guideline given below.

Guidelines for Assessment

		Marks			
Sl.No.	Activities				
1	Observing 10 lessons 5 in each method delivered by regular teachers with the help of observation schedule	10			
2	Observation of day-to-day school activities and preparation of comprehensive report highlighting working of the library, co- scholastic activities, games and sports, functioning of laboratory, school morning assembly and preparation of reflective report				
3	Availing at least 5 substitute teaching opportunities in actual school situation	10			
4	Developing 4 lessons (two lessons in each method subject) and use of learning materials/teaching aids and one unit plan.				
5	Undertaking a case study of student/ institute and reporting	10			
Total	50				

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	3	-	3	1	1	1	-	-
CO2	-	1	3	3	-	-	-	-	-	1
CO3	1	3	2	1	-	-	-	-	2	-
CO4	-	-	-	-	2	2	-	-	2	-
CO5	3	-	2	-	1	3	2	-	2	-
CO6	-	-	2	-	3	2	-	-	2	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	2	2	3	2	3	3	2	1	3	1

EF-3: School Internship

Course Outcomes

On completion of the course, the pupil teacher will be able to

- **CO1** Recall the general and specific objectives of teaching the subject, different units, and individual lessons.
- CO2 Memorize units, subject matter suitable to the class, and various resource materials and aids

CO3 Interpret the principles of learning and comprehend how to organize subject matter effectively for lesson planning.

CO4 Grasp the importance of preparing pupils adequately for each lesson and adapting the teaching approach to suit different occasions.

Credit-10

CO5	Analyze and correlate subject matter and teaching with other subjects and
activ	vities in the school to create an integrated educational programme.
CO6	Implement effective lesson planning with an understanding of learning
prin	ciples, utilizing appropriate techniques and aids at each stage.
CO7	Apply motivational strategies to engage pupils and maintain discipline in the
class class	S.
CO8	Examine the varying needs, interests, and abilities of pupils, adjusting the
teacl	hing program for maximum group progress.
CO9	Assess the effectiveness of different teaching methods and techniques in
vario	ous situations.
CO10	Assess and judge the success of each program in relation to goals based on
<mark>pupi</mark>	l participation and performance.
CO 11	Evaluate the achievement and progress of pupils through continuous
eval	uation, including oral, written, and performance tests.
CO12	Devise plans for teacher-pupil collaboration in curriculum details, outlining
expe	eriences, activities, aids, and techniques.
CO13	Formulate and apply different techniques and tools for continuous evaluation,
cons	structing and using oral, written, and performance tests.
CO14	Utilize correlation skills to integrate subject matter and teaching with other
<mark>subj</mark>	ects and activities in the class and in life.
CO15	Apply planning, organizing, and guiding skills for enrichment activities and
field	programs related to the subjects taught.

Duration 16 Weeks

16 weeks internship shall be carried out during the third semester. The student teachers are required to be placed in the schools selected by the Institute. The number of student teachers to be allotted to a particular school shall be 10-12 or as decided by the institute. The institute may appoint a senior faculty as coordinator of the entire programme, who, *inter alia*, would identify and allot schools to student teachers, and maintain liaison with the schools. In addition, a separate coordinator may be appointed for each state knowing the regional language of the respective state.

Nomination of Mentor Teachers The internship coordinator/s while visiting the schools for identification purposes, would seek information about different teachers of the schools, who may be nominated as mentor teachers. The role of the mentor teacher would be to share his/her professional experiences, present model lessons, assess student teachers' performance, and provide on-site guidance and support during internship.

Identification of Supervisors

The faculty members of the institute would be allotted to different schools as supervisors during the internship period. Along with the names of the faculty members, the subject/subjects to be observed and the schools for observation may be written. A chart depicting the names of the internship schools, names of student teachers, name (s) of faculty members (supervisors), and the dates of visit shall be prepared and notified by the coordinator every week. The supervisor shall coordinate the activities of the mentor teacher of the school; and assess student teachers' performance, and provide on-site guidance and support during internship.

The institute will:

- 1. Provide Internship handbook to the internship schools
- 2. Organize orientation cum -consultation meetings with the school principals and mentors' teachers
- 3. Develop supplementary material for additional activities in collaboration with mentor teachers
- 4. Hold fortnightly review meetings with mentor teachers
- 5. Hold follow -up meetings with student -teachers at regular intervals in the TEI.
- 6. Monitor implementation of internship including observation of practice teaching.
- 7. Assess, in collaboration with school mentor -teachers, the internship performance of student -teachers.

Student teachers shall undertake the following activities during the internship period:

I. Planning and Facilitating Teaching Learning

- Unit/ Lesson planning
- Classroom teaching in two school subjects
- Lesson observation of mentor teacher and peers
- Developing and Using Teaching Learning Resources
- Integrating ICT in regular teaching

II. Assessment, Remediation and Action Research

- > Preparation of CCE activities including unit tests
- > Preparation of diagnostic tests and identifying learning difficulties
- Planning and executing remediation
- Conducting action research

III. Understanding School Context

- Prepare Profile of the school (Type of School/infrastructure, facilities teachers, students and community information)
- Analyze Learner Performance(One class)

IV. Participation in School Activities

Organize all types of curricular activities, e.g. sports and games, debate, song, art, music, painting

V. Community and school Activities

- Survey of households in local community
- Interaction with SDMC/SMC/PTA/MTA members
- > Interacting with parents

The 16 week school internship will be organized in three phases: (i) pre internship; (ii) internship (iii) and post internship

Phase-1: Pre internship

The pre internship will be of one week duration during which necessary orientation programmes for Mentor Teachers and Heads of the selected schools will be organized in the institute. The following activities shall be organized during pre-internship phase:

- Orientation of the mentor teachers and Heads of the schools regarding the objectives and different aspects of internship in teaching
- Orientation about the roles and responsibilities of different personal involved in internship in teaching specially roles of mentor teachers/HM/Principal

- Discussion on process involved in unit planning/ lesson planning
- Discussion on process of developing achievement test and its administration and uses
- > Discussion on records to be maintained by student teachers during internship.
- > Orientation about process of giving constructive feedback to student teachers
- Demonstration of model lessons by the experts/supervising teacher followed by discussion, preferably in DMS
- Demonstration and criticism lessons of at least 2 lessons, by the student teachers, of their peers in each subject followed by discussion

Phase-2: Internship

Every student teacher shall undergo an internship of 15 weeks in an identified school. During this period the student teacher shall be attached to a school and he/she shall undertake such duties as are assigned to him / her by the Head Master/Principal of the school in all school related activities. During this period, he/she shall teach at least 120 lessons in the school, taking equal number of lessons from each of his/her pedagogy subjects, under the supervision of the mentor teacher and respective teacher educator (s) from RIE. The first week will be utilized for developing rapport with school (Students, teachers, Principal/Head Master/other staffs, etc.) and familiarity with school system.

Practicum during Internship

Student teachers shall perform the following during internship:

- Prepare 120 lesson plans in two school subjects and deliver at least 60 lessons in each subject
- Integrate student assessment activities with teaching learning process
- > Development and use learning resources related to pedagogy courses
- > Observation of peer teaching: 10 in each school subject
- > Observation of teachers' lessons: 5 in each school subject
- > Develop, administer, score and analyze at least 2 unit tests: one in each school subject
- Conducting action research based on real classroom problems
- Prepare and maintain student portfolios
- Preparation of the school time table
- Organize and participate in: morning assembly, literary and cultural activities, Club activities, Exhibitions, Excursions and field trip, Mock parliament, Quiz, Games and sports and PTA/SMC meetings
- Maintenance of school library and laboratory
- > Maintaining a reflective diary of his/her school experience

Records to be submitted

Lesson plans/ Unit plans

- School profile: infrastructure; Social Science Laboratory physical facilities, Equipment, School Library- facilities
- Record of Participation/organization of school activities

Record of observation of peer teaching

- Record of observation of class of regular teacher/mentor teacher
- Report of action research
- Assessment record

Reflective Journal

Phase – 3: Post Internship

The post internship is required to be organized in the Institute for one week just after completion of internship in teaching programme. The following activities shall be organized in the Post Internship phase:

- > Preparation of brief report by each student teacher on his/her internship experiences.
- Presentation of the reflections of internship by student teachers, which will be conducted in smaller group/subject wise and assessed by the supervisors.
- Some of the video clippings of lesson delivering developed earlier during internship will be shown for critical reflection
- Inviting feedback from cooperating schools/mentor teachers/HM/Principal/institute faculty.

Internal Assessment

The assessment of the performance of student teachers shall be based on the feedback received from all associated with the programme, including mentor teachers/HM/Principal, peers, supervisors of the institute; and various records submitted by the student teachers

Component	Minimum Number	Maximum Marks	Internal-by the faculty of the Institute	External by the Mentor School Teachers and Head Teachers
Demonstration and criticism classes by student teachers in group (16-17 students in group)	2 criticism lesson (1 in each pedagogy course)	10 (5+5)	10	
Observation record of classes taught by mentor teachers/regular teachers	10 (05 in PC-1 and 05 in PC-2)	10(5+5)	10	
Unit Plan	2 in each subject/pedagog y	10 (5+5)	10	
Lesson Plan (PC-1)	50 Lesson Plan 10 Lesson Notes	10	10	
Lesson Plan(PC- 2)	50 Lesson Plan 10 Lesson Notes	10	10	
Classroom observation record of peers	20 Lesson (10 in PC-1 and 10 in PC-2)	10 (5+5)	10	
Records of	1	10	10	

The weightage to different components of internship shall be assigned as under:

participation/org anization in curricular activities							
Records of	1		10		10		
school profile							
Action Research	1		20		20		
Student Assessmen	nt	2 (one for eac	h	20 (10+1	10)	20	
Records		subject)					

Teaching Learning Resources	All	10 (5+5)		10
Reflective Diary	1	10	10	
Assessment by mentor teacher(s)/HM/Principal /Inst supervisors based on overall performance in school including teaching and participation in other school activities	60 lesson in PC-1 and 60 lesson in PC-2	80	40=(PC- 1(20)+ PC- 2(20)	40= (PC-1(20)+ PC-2(20)
Overall Assessment of Trainee by Head Teacher/Principal		10		10
Presentation of reflections on internship experiences (Post		20	20	
Internship) Total for III Semester		250	200	50

PO – CO MAPPING

10 00											
PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	
CO1	3	-	-	-	3	-	-	-	-	-	
CO2	-	2	-	-	-	-	-	-	2	-	
CO3	-	-	-	-	3	2	-	-	2	-	
CO4	2	-	-	-	-	-	2	-	-	-	
CO5	-	-	-	2	3	-	-	-	2	-	
CO6	-	-	-	-	2	-	3	-	3	-	
CO7	-	-	-	-	-	2	-	-	-	-	
CO8	1	-	2	-	-	-	-	1	3	-	
CO9	-	-	1	-	-	-	-	-	2	-	
CO10	1	-	-	-	-	-	-	2	2	3	
CO11	-	-	-	-	-	-	-	-	2	3	
CO12	1	-	-	-	-	-	1	2	2	2	
CO13	-	-	-	-	-	-	-	-	1	-	
CO14	-	3	-	3	-	-	-	-	-	-	
CO15	-	1	2	-	1	-	-	2	3	-	

COURSE WISE AVERAGE MAPPING

РО	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	2	2	2	2	3	2	2	2	3	3

SEMESTER-VIII

PE6:Creating anInclusiveClassroom

Credit-02

Course Outcome

On completion of the course, the pupil teacher will be able to

- CO1 StatethesignificanceofInclusiveeducation
- CO2 Evaluate differentPolicyand legislativeframeworkspromotinginclusion
- CO3 Create inclusive classroom using inclusive pedagogy(Teaching strategies, CCE)

CO4 Explore different educational Strategies addressing learner's diversity

CO5 Compare and differentiate among various concept like impairment, handicapped, disability, retarded

Unit1:UnderstandingInclusioninEducation (No of Class-8)

- ChildrenwithspecialNeeds
- Historyof inclusion-paradigm shiftfrom segregation to inclusion
- Policyperspective:Initiativestopromoteinclusiveeducation-equityand equality
 - InternationalFocus:Salamanca1994,UNCRPD,EFA(MDG)
 - National Focus: Constitutional obligations for education of diverse groups, RTE2009, NPE, 1986-92, PWD Act 1995 and revised PWD Bill 2012, NCF 2005

Unit2:UnderstandingDiversity forInclusive Education (No of Class-8)

- Diversitydueto disability(Nature,CharacteristicandNeed
- Diversityduetosocio-cultural andeconomicfactors
- Special needs of children arising due to language difference, gender, class,caste,religion and other factors
- Discrimination-stereotyping,prejudices;issues,concerns and intervention

Unit3:AddressingLearners'Diversity (No of Class-8)

- CurricularIssue
 - Assessment and Evaluation-- Continuous Comprehensive Evaluation (CCE),Alternativemeansforassessmentandevaluationininclusiveeducation/pra ctices
- Learningandlearnersupport--assistiveandadaptivedevices,ICT
- UniversalDesignforLearning(UDL)

Mode of Transaction

- Lecture cum discussion method
- Question and answer method
- Computer assisted learning'
- Activity based learning

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	-	-	-	3	1	1	1	-	I
CO2	3	-	-	-	3	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-	3	-

CO4	-	-	-	-	3	2	-	-	3	-
CO5	3	-	2	-	1	3	2	-	-	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	-	1	-	3	3	1	1	2	-

SuggestedReadings

- Ainscow, M. and Booth, T(2002)Index for Inclusion: Developing Learning andParticipationin Schools.Bristol: CSIE.
- Ainscow, M., Dyson, A. and Booth, T. (2006) Improving Schools, Developing Inclusion, Lond on: Routledge.
- Hegarty, S. and MithuAlur(2002)Education and Children with SpecialEducationalNeeds-Segregation to Inclusion,New Delhi: Sage PublicationIndia Pvt.Ltd
- > Julka.A, Indexof Incusion(2012)NCERT,New Delhi.
- Jha.M.(2002)InclusiveEducationforAll:SchoolsWithoutWalls,HeinemannEducationalp ublishers, Multivista Global Ltd,Chennai
- Julka, A (2006)Meeting special needs in schools" A manual, NCERT, New DelhiUNICEF(2003)Examples of InclusiveEducation,UNICEFROSA,Kathmandu
- WorldBank(2003)InclusiveEducation:AchievingEducationforAllincludingthosewithDis abilities andSpecial Educational Needs.
- > Ysseldyke,J.E.andAlgozzine,B.

(1998) Special Education APractical approach for

Teachers, New Delhi: KanishkaPublishers Distributors.

- Julka,A.(2014) IncludingChildren with Special Needs: Primary StageJulka,A.(2015)IncludingChildrenwith SpecialNeeds: UpperPrimaryStage
- Julka,A.(2014)TeachersCreatingInclusiveClassrooms:IssuesandChallenges-AResearchStudy
- NCERT(2006), PositionPaper:NationalFocusGrouponEducationofchildrenwithSpecial Needs, NCERT; DEGSN, New Delhi
- NCERT(2006), PositionPaper:NationalFocusGrouponProblemsofScheduledCastesand Scheduled TribeChildren NCERT, DEGSN, NewDelhi.
- MHRD(2009), TheRightofChildrentoFreeandCompulsoryEducationAct, 2009. Ministryo fHumanResourceDevelopment, NewDelhi

PE7:EducationalPlanning,ManagementandLeadership

Credit-04

Course Outcome

On completion of the course, the pupil teacher will be able to

CO1 Describe the concepts, types and approaches of educational planning

CO2 Evaluate various recommendations of different five year plans relating to school education

CO3	Elaborate		t	he			conce
ofe	ducationald	ecentralizati	ioninIndiaand	district	planningpi	ractices	
CO4	State theo	oncept,natu	reandapproacl	nesof e	ducational	manage	ement
CO5	Explain	different sl	kills in mana	aging 1	material a	and hu	man
rese	ources ofscl	nool					
CO6	Evaluate	different	managerial	and	leadersh	ip sty	yles
for	effectivema	nagement of	faschool.				

Unit-1UnderstandingEducationalPlanning No of Class-10

- Educationalplanning:Meaning,Nature, •
- Traditionaleducationalplanningandstrategiceducationalplanning-stepsandbenefits
- Approachestoeducationalplanning:Socialdemand,manpowerrequirementandcostbe nefits
- Planningforhumanresourcedevelopmentinschool:ManpowerforecastingandManpo werplanning
- InstitutionalPlanning:SchooldevelopmentplanaspertheRTEAct2009 •

Unit-2EducationalPlanningin IndiaNo of Class-10

- BeginningoffiveyearPlans: its historical background; Mainfeatures of fiveyearplans wit hspecialreferencetoeducation,Impact offiveyearplansoneducation. 12thFive year plan: Major recommendations relating to school education
- EducationaldecentralizationinIndia:legalprovisionsandinstitutionalframework
- Districtplanningundertheon-goingcountrywideeducationdevelopmentprogrammeslikethe SSA and theRMSA

Unit-3EducationalManagement:Concept,Processes No of Class-10

- Conceptofeducationalmanagement:ConceptandProcess;Planning,organization, • control, decision making and evaluation
- Approachestomanagement
- Management of material resources and human resource •
- TeachingLearningActivities-office Managementof management, time • management, management of examination

Unit-4Leadership:ConceptsandStyles

- Leadership:Concept,types-administrativeandinstructional
- Educationaladministrationleadershipskills:Decisionmaking.Planning andCo-• Coordinating, Communicating, Evaluating and Feedback
- Stylesofeducationalleadership:autocratic,Laissez-faireanddemocratic •

Mode of Transaction-

- Lecture cum discussion method
- Question and answer method
- Computer assisted learning'
- Activity based learning

Practicum

No of Class-10

Eachstudentwillcarryoutanyoneoftheactivities, submitare portand faceviva examination to be conducted by both internal and external examiners.

- Readschooldevelopment planofelementaryschoolsand preparereflective notes onit.
- PreparereportaftercollectingviewsofSMCmembersabouttheircontributiontosch oolimprovement.
- Prepare a report on districteducationalplanningofyourdistrict.
- InteractwithfiveHMs/Principalsofnearbyschoolsandprepareareport onmanagementof material and human resources.
- MakeacasestudyononeHM/principalofaschool; his/her Leadershipqualityandstyles and prepare a report.

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	-	3	-	3	1	1	1	-	-
CO2	3	1	1	1	3	-	-	-	-	1
CO3	1	3	2	1	-	-	-	-	-	-
CO4	-	-	-	-	2	2	-	-	-	-
CO5	3	-	2	-	1	3	2	-	-	-
CO6	-	-	2	-	3	2	-	-	3	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	2	3	1	3	3	2	1	1	1

SuggestedReadings:

- Ayyar, R.V. Vaidyanatha (1993). Educational Planning and Administration in India:Retrospect and Prospect. *Journal of Educational Planning and Administration*, VII(2):197-214.
- Blaug, Mark (1972). An Introduction to Economics of Education. The Penguin: London.
- Bray, Mark and N.V. Varghese (ed.) (2010): *Directions in Educational Planning:Reporton an IIEP Symposium.IIEP: Paris.*
- Brown, D. (1990): Decentralisation and Schoolbased Management. Falmer Press: London.
- Bullock, A. and H. Thomas (1997). *Schoolsatthe Centre ? A Study of Decentralisation*. Ro utledge: London.
- Bush, T., L.Bell, R.Bolam, R.Glatterand P.Ribbins(eds.) (1999). *Educational Managem ent: Redefining Theory, Policy and Practice*. Paul Chapman: London.
- Carron, Gabriel (2010). *StrategicPlanning: ConceptandRationale*. IIEPWorkingPaper 1. IIEP: Paris.
- Carron, Gabriel (2010). *Strategic Planning: Techniques and Methods*. IIEP WorkingPaper3,IIEP: Paris.
- Chau, Ta-Ngoc(2003). DemographicAspects of Educational Planning. IIEP: Paris.

PE8:Schooling,Socializationand Identity

Credit-04

Course Outcomes

On completion of the course, the pupil teacher will be able to

- CO1 State the major socializing agencies
- CO2 Explain self-identity formation process
- CO3 Evaluate how gender based violence existing all space
- CO4 Create some model or plan for addressing issues like gender-based violence
 CO5 Analyse about evolutionary status of teaching profession and teacher's identity.

UnitI:Socializationanddevelopmentofself No of Class-10

- Understandingthenature and processes of socialization
 - Athome:familyasasocialinstitution;impactofparentingstyle/childrearingpractice s;transmission ofparental expectationsand values;
 - Inthecommunity:neighbourhood,extendedfamily,religiousgroupandtheirsociali zationfunctions
 - Atschool:impactofentry toschool;schoolasasocialinstitution;value-formationin the context of schooling;
- Understandinginterfacebetweenhome,communityandschool;inter-linkageswithinwider socio-cultural context
- Various dimensions of self and the impact of socialization on development of self

UnitII:Emergenceof person'and identity'

- Understanding'identityformation';emergenceofmultipleidentitiesintheformati on of a person placed in various social and institutional contexts; the needforinnercoherence; managingconflicting'identities'.
- Determinants of identity formation in individuals and groups: Social categoriessuchas caste, class, gender and religion
- The influence of peer group, media messages, technology, and globalization onidentityformation in contemporarysociety

UnitIII:Socialization Processes and Social Complexities No of Class-10

- ConceptofGender,Patriarchy,MasculinityandFemininity
- GenderBias,GenderStereotypingandWomen Empowerment
- Gender IdentitiesandSocializationPracticesindifferenttypesoffamiliesin India.
- Gender IssuesinCurriculum: IssuesandConcernsofTransgender
- Addressing violence and sexual abuse in family, Neighbourhood and School and in other formalandinformal institutions.

Unit IV:Evolvingidentityasateacher No of Class- 10

- Teacher's'professionalidentity;Meaningandvariousdimensions
- Teacheridentityformation:Roleofpre-serviceandinserviceteachereducationprogrammes
- The impact of one's own socialization processes; awareness of one's

No of Class-10

ownshifting identities as 'student', 'adult' and 'student teacher', and influences thathaveacted/continueto act on oneself

• Reflectionsonone'sown aspirationsandeffortsinbecominga'teacher'

Mode of Transaction-

- Lecture cum discussion method
- Question and answer method
- Computer assisted learning'
- Activity based learning

PracticumNo of Class-08

Eachstudentwillcarryoutanyoneoftheactivities, submitare portand faceviva examination to be conducted by both internal and external examiners.

- Submission of a report on the influence of peergroup, mediamessage, technology, and globalization on identity formation in contemporary society
- Prepare and present a term paper on IssuesandConcernsof Transgender.
- Prepare a report with reference to Women Role models in various fields with emphasis on women in unconventional role.
- Collection of Folklores about Socialization Processes and its Influence on Identity formation.
- Visittoorganizationsconnected with peace and intercultural harmony and aesthetic appreciation to experience peace as reality and submission of report.

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	-	-	1	-	3	1	1	1	-	-
CO2	3	-	1	-	3	-	-	-	-	1
CO3	3	1	1	1	3	-	-	-	-	-
CO4	-	-	-	-	1	1	-	-	3	-
CO5	3	-	2	-	3	1	1	-	-	-

PSO - CO MAPPING

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	1	3	1	3	2	1	1	1	1

SuggestedReadings

- AmalenduMisra,(2004).IdentityandReligionFoundationsofAnti-IslamisminIndia.SagePublications, New Delhi
- Butler, J. (1990). *GenderTrouble: FeminismandthesubversionofIdentity*. NewYor k; Routledge.
- Chap.6:ParentsandTeachers
- Desai,NeeraandThakkar,Usha.(2001).WomeninIndianSociety.NationalBookTr ust,New Delhi
- DipankarGupta(Ed.)(2004).CasteinquestionIdentityorHierarchy.SagePublicati ons,New Delhi.

- Dunne, M.et al. (2003). Gender and Violencein Schools. UNESCO.
- Kamala Ganesh &UshaThakkar (Ed.) (2005). Culture and Making of Identity in India,SagePublications, NewDelhi.
- KirkJackiee.d. ,(2008),Women TeachinginSouth Asia,SAGE, NewDelhi
- Krishnamurti, J., Edugation and the Significance of Life, KFIPublications
- KumarKrishna (2004), WhatisWorthTeaching? 3edition, OrientLongman
- Kumar,K.(2001)*PrejudiceandPride:SchoolHistoriesoftheFreedomStruggle*. NewDelhi:Viking/Penguin.
- Leach, Fiona.(2003).PractisingGenderAnalysisinEducation,Oxfam
- NationalCurriculumFramework2005:PositionPaper,NationalFocusGrouponGe nderIssues in Education, 3.2, NCERT, 2006.
- Nayar,SushilaandMankekarKamla(ed.)2007, 'WomenPioneersinIndia'sRenaiss ance,National Book Trust, NewDelhi,India.
- NCERT(2014).SchollingSocialisationand Identity.NCERT,NewDelhi.
- Pathak, Avijit (2002), Social Implications of Schooling, Rainbow Publishers, Delhi
- Saraswati, T.S. (Ed.) (1999). Culture, Socialization and Human Development. Theory: Research and Applications in India, Sage Publication, New Delhi.
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- Sharma, R&E. Annamalai. (2003). *IndianDiaspora: InSearchofIdentity*. Mysore: CIIL.
- ShashiTharoor(2007).TheElephant,theTiger&theCellphone. (Particularlyparttwoofthe book).PenguinViking, New Delhi.
- Sherwani, Azim. (1998). the girlchild incrisis. Indian Social Institute, New Delhi.
- SrinivasM.N.,(1986).SocialChangesinModernIndia, AlliedPublishers,Bombay.
- SrivastavaGouri,(2012),GenderandPeaceinTextbooksandSchoolingProcesses, ConceptPublishingCompanyPvt.Ltd, New Delhi
- UNICEF(2005).2005andBeyond– AcceleratingGirls'EducationinSouthAsia.MeetingReport.
- Unterhalter, Elaine. (2007). Gender, Schooling and Global Social Justice, Routledge.
- Vidyanathan, T.G. (1989), 'Authority and Identity in India', in 'Another India'Daedalus,Fall, 118(H): 147-69.

PE-9Vision forIndianEducation

Credit-04

Course Outcome

On completion of the course, the pupil teacher will be able to

- CO1 Explain major recommendation of different committees and commission with regard to school education.
- CO2 Critically analyse different social issues that effects the schooling system and process.
- CO3 Evaluate the role and responsibilities of different national and international organization in the field of education.
- CO4 Develop a futuristic model about future school system.
- CO5 Explore innovative strategies relevant to future school education.

UNIT1-DevelopmentofEducationinIndia:Historicalperspectives

No of Class-10

- Evolution of education in India inVedic and Post Vedic period: its relevance topresenteducation
- Educational development in the Pre-independence period-Macaulay'minutes,WoodsDespatch,HunterCommissions, Basiceducation
- Educationin Post-Independence Period: University Education Commission (1948)SecondaryEducationCommission(1952)EducationCommission(1964-66);NPE1968;NPE1986 and its modifiedversion 1992;

Unit- 2Education; concerns and issues Number of classes-10

- Universalization of Elementary Education: Structure, aims and Its importance fornationaldevelopment
- Policy initiativesforuniversalizingelementaryeducation:DPEP,SSA,RTEAct2009,PadheBhar atBadheBharat
- Secondaryeducation:Concept, need and importance fornational development, Policyinitiativesforsecondaryeducation:RMSA,ICT@school,RashtriyaAvishkarAbhi yan,
- Issues of quality and equity in secondary and higher secondary education and strategies, vocationalisationofsecondaryeducation;process,strategyand policyinitiative.

Unit-3:Global PerspectivesinSchoolEducationNo of Class-10

- International Commission on education: Learning to be 1975, learning the treasure with in 1966 with reference to Delor Commission Report.
- Role of International agencies for development of education- UNICEF, World bank, UNESCO.
- Global monitoring report on Millennium Development Goal (MDG) and sustainable development goal(SDG)
- World Education Report 2015 and its relevance for school education in India.

Unit4:DevelopingVision forEducation

No of Class-10

- Formulatingvisionandmissionforanewsocialorder:Conceptualizingfutureschool,teache r,curriculum, methods and evaluation
- Promoting Innovation for quality school education in the areas like Curriculum/Methods ofTeaching/Managementand Administration/ Examination. Emerging challenges in school organization, curricular process and learning climate.

Mode of Transaction-

- Lecture cum discussion method
- Question and answer method
- Computer assisted learning'
- Activity based learning

Practicum

No of class-08

Eachstudentwillcarryoutanyoneoftheactivities, submitareportand faceviva examination to be conducted by both internal and external examiners.

- Prepare and present reportonrelevanceofVedic/Buddhist/Islamiceducationalideasforpresentschool educationbystudyingoriginal literature.
- ConductsurveysinthelocalareaforexaminingstatusofimplementationsoftheRTEAct 2009 and submit the report.
- Visitfivesecondaryschoolsnearbyandpreparereportonqualityofteachingandlearningas per RMSAguidelines.
- Readany one educational project sponsored by the UNESCO and present in the class

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	-	1	-	3	1	1	1	-	-
CO2	3	1	1	1	3	-	-	-	-	1
CO3	3	1	2	1	3	-	-	-	-	-
CO4	-	-	-	-	2	2	-	-	3	-
CO5	1	-	2	-	3	1	2	-	-	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	1	3	2	3	3	2	1	1	1

Suggested Readings

- Arial, J.C. & Agrawal S.P. (1992). Role of UNESCO in Educational, Vikas Publishing House, Delhi.
- Anand,C.L.et.al.(1983).TeacherandEducationinEmerginginIndianSociety,NCERT,Ne wDelhi.
- Govt. of India (1986). National Policy on Education, Min. of HRD, New Delhi.Govt.ofIndia(1992).ProgrammeofAction (NPE).Min ofHRD.
- Mani,R.S.(1964).EducationalIdeasandIdealsofGandhiandTagore,NewBookSociety,NewDelhi.
- Mistry,S.P.(1986).Non-formalEducation-AnApproachtoEducationforAll,Publication,NewDelhi.
- Mohanty, J., (1986). School Education in Emerging Society, sterling Publishers.Mukherji,S.M.,(1966).HistoryofEducationin India,AcharyaBookDepot,Baroda.
- Naik, J.P.&Syed, N., (1974). AStudent's History of Education in India, MacMillan, New Del hi.
- NCERT (1986). School Education in India Present Status and Future Needs, New Delhi.Ozial, A.O. 'Hand Book of School Administration and Management', London, Macmillan.RadhaKumudMookerji.AncientIndianEducation(BrahmanicalandBuddhist), CosmoPublications,NewDelhi–1999.
- SainathP.(1996).Everybodyloves agooddrought.Penguin BooksNew Delhi.
- Salamatullah, (1979).Education in Social context, NCERT, New Delhi.Sykes, Marjorie (1988): The Story of NaiTalim, NaitalimSamiti: Wardha.UNESCO;(1997).Learningthe TreasureWithin.
- > Dr.VadaMitra.EducationinAncientIndia,AryabookDepot,NewDelhi–1967
- Ministry of Education. 'Education Commission ''Kothari Commission''.1964-1966.EducationandNationalDevelopment.MinistryofEducation,GovernmentofIndia196 6.

- LearningwithoutBurden, Reportof the National Advisory Committee. Education Act. Minis tryof HRD, Department of Education, October, 2004.
- > *NationalPolicyonEducation.1986*. Ministry ofHRD, DepartmentofEducation, NewDelhi.
- Seventh All India School Education Survey, NCERT: New Delhi. 2002UNDPA.HumanDevelopmentReports. New Delhi.Oxford:OxfordUniversityPress.
- UNESCO.(2004)EducationforAll:TheQualityImperative.EFAGlobalMonitoringReport .Paris.
- Varghese, N.V. (1995). School Effects on Achievement: A Study of Government and PrivateAided SchoolsinKerala.InKuldipKumar (Ed.) Schooleffectivenessandlearningachievementat primarystage:International perspectives. NCERT.New Delhi.
- WorldBank, (2004). *ReachingTheChild:AnIntegratedApproachtoChildDevelopment*.
- OxfordUniversityPress,Delhi.

EPC 2: Understanding ICT and Its Application

Credit-02

Course Outcomes

On completion of the course, the pupil teacher will be able to

- CO1 Appreciate the historical development of various educational media.
- CO2 Demonstrate understanding of the main components of the computer hardware in use.
- CO3 Apply various digital technologies for creating learning experiences for all types of learners.
- CO4 Use various ICTs for project based/problem based constructivist learning environment.
- CO5 Explain the role of ICT in authentic and alternative assessment
- CO6 Understand the social, economic, and ethical issues associated with the use of ICT.

Unit 1: Introduction to Information and Communication Technology

No. of classes- 10

- Use of Technology in Education: In Retrospect.
- Information and Communication Technology: Meaning, nature and advantages
- Hardware and Software Fundamentals
- Computer hardware fundamentals: types of computers and Computer Network

(Anatomy, input devices, output devices, storage devices, display devices),

- Multimedia Resources (Digital camera, recorder, scanner, printer, interactive white board, visualize, and multimedia projector)
- Software Fundamentals (Meaning and types)
- Office applications (Word processing, Spreadsheet Presentations, Databases, Drawing tools, Multimedia tools, File formats and conversion, utility tools)

Unit 2: ICT and Pedagogy

No. of classes- 08

- Subject specific ICT tools for creating and facilitating learning
- Subject specific online resources and their use

- Designing technology integrated learning experiences
- ICT for Pedagogical Innovations
 - Project/problem based learning (PBL)
 - > Web Quest and virtual field trips: Concept, process, and use
 - > Mobile learning and related applications
- Open Educational Resources Meaning and importance
- Approaches to integrating ICT in teaching and learning: Technological Pedagogical Content Knowledge (TPCK)
- Assistive technology for children with special needs: Tools and processes; Universal Design for Learning (UDL)

Unit 3: ICT for Assessment and Management No. of classes- 07

- ICT and Assessment
 - Electronic assessment portfolio Concept and types; e-portfolio tools
 - Creating and use of electronic rubrics for assessment
 - Online and offline assessment tools Rubrics, survey tools, puzzle makers, test generators, reflective journal, question bank
- ICT applications for CCE
- Learning analytics and feedback
- CT and Management
- ICT initiatives and standards
- ICT for personal management: e-mail, task, events, diary, networking
- ICT for educational administration: Scheduling, record keeping, student information, electronic grade book, connecting with parents and community
- Computer security: Privacy, hacking, virus, spy ware, misuse, abuse, antivirus, firewall, and safe practices.

PSO/CO PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 CO1 _ -3 -3 1 1 1 _ -3 CO2 -1 3 1 1 _ ---2 CO3 1 3 3 1 ---_ _ CO4 2 2 3 --_ -_ _ _ CO5 3 2 _ 2 _ 3 _ 1 3 _ 2 2 3 CO6 3 _ _ 3 _ _ _

PSO - CO MAPPING

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	2	3	2	2	3	1	1	3	1

Suggested Readings

- Ahmad, J., Ahmad, M.S. and Khan, A. (2012), *Computer Applications in Education*, Neelkamal Publication, Hyderabad, PP-288, ISBN: 978-81-8316-293-7.
- Bharihok, D. (2000). Fundamentals of Information Technology. Pentagon Press: New Delhi.
- CEMCA (2014). Technology Tools for Teachers, Commonwealth Educational Media Center for Asia, 13/14 SarvaPriyaVihar, New Delhi.

- David, M. (2009). Project Based Learning- Using Information Technology- Second Edition. Viva Books: New Delhi.
- James, K.L. (2003). The Internet: A User's Guide. Prentice Hall of India Pvt. Ltd: New Delhi.
- LaxmanMohanty, NeeharikaVora (2008). ICT strategies for schools- a guide for school administrators. Sage Publications: New Delhi.
- Manoj Kumar Dash (2010). ICT in teacher development, Neel Kamal Publications: New Delhi.
- MHRD-GOI (2004 and revised 2010) National ICT @ Schools Scheme, Department of School Education and literacy, MHRD, Govt. of India, New Delhi
- MHRD-GOI (2012) National Mission on Education through ICTs (NME-ICT), Department of Higher Education, MHRD, Govt. of India, New Delhi
- Mishra, S. (Ed.) (2009). STRIDE Hand Book 08: E-learning. IGNOU: New Delhi. Available at http://webserver.ignou.ac.in/institute/STRIDE_Hb8_webCD/ STRIDE_Hb8_ index.html
- Mohit K (2003). Design and implementation of Web-enabled Teaching Tools: IRM Press,UK.

EPC-3 Health, Yoga and Physical Education

Credit-2

Course Outcomes

On completion of the course, the pupil teacher will be able to

- CO1 Explain the concept of holistic health, components and determinants of health from multiple perspectives
- CO2 Identify health problems, health status and be informed for taking remedial measures
- CO3 Be aware about rules of safety in hazardous situation (illness, accident and injury) and equip them with first aid measures about common sickness and injuries
 CO4 Critically analyse the importance of physical activities, food and nutrition on
- human health
- CO5 Differentiate between games and sports along with their importance on health
 CO6 Describe the adverse effects of commonly used abusive substances and drugs on health
- CO7 Explain the process of assessment of health and physical fitness.
- CO8 Evaluate the need and importance Yogic practices on physical, mental, social and emotional health of human being
- CO9 Identify various policies and programs related to health, physical education and yoga.

Unit-I Health Education

09)

- Concept of health, importance, dimensions and determinants of health
- Health needs of children and adolescents, including differently-abled children
- Impact of Physical activities, games, sports and yoga on different body systems, Management of stress and strain and life skills.
- Food and nutrition, food habits, timing of food, nutrients and their functions, diversity of Indian food, seasonal foods and festivals, economics of food, malnutrition, including obesity,

(No. of classes-

• Dietary requirements of human body with special emphasis on the nutritional needs according to age, sex, occupation, pregnancy and also with reference to sportspersonship; Need for diet planning, Balanced diet.

Unit-II Physical Education

09)

- Physical fitness, strength, endurance and flexibility, its components, sports skills, indigenous and self-defense activities
- Development of physical fitness; Postures; Importance of relaxation; Fitness tests; Resources and services for games and sports and Health. Common Sports Injuries and First aid.
- Games and sports athletics (general physical fitness exercises), games (lead-up games, relays and major games) rhythmic activities, gymnastics and their impact on health
- Fundamentals skills of games and sports; Sports for recreation and competition; Rules and regulations of sports; sports ethics; sports awards and scholarships, sports-person ship.
- Drawing of Fixtures for conducting Tournament, knock-out, league, Layout of Track & Field areas.
- Commonly-abused substance and drugs and ways of prevention and inhabitation.

Unit-III Yoga

07)

- Concept, need and importance of yoga, History of yoga
- Yogasanas- Standing, Sitting, Prone and Supine positions (5 Asanas each)
- Surya Namaskar and Pranayams, Meditation
- Precautionary measures for yogic practices.
- Role of yogasanas for prevention of common diseases

Transactional Strategies

- Interactive discussion, group work, sharing of experiences
- Analysing various topics by using charts, photographs, and other materials on aspects of health related issues
- Organising school health check-ups,
- Practical classes in first aids
- Project and assignments
- By organising Games and sports and demonstration of Yogic activities.

PSC	D/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO	1	3	-	-	-	3	1	1	1	-	-
CO	2	-	1	-	1	-	-	-	-	3	1
CO	3	1	-	2	1	-	-	-	-	3	-
CO	4	3	-	-	-	3	2	-	-	-	-
CO	5	-	-	2	-	3	-	2	-	-	-

PSO - CO MAPPING

(No. of classes-

(No. of classes-

CO6	3	-	2	-	-	3	-	-	-	-
CO7	-	-	2	-	1	2	-	-	3	1
CO8	3	2	1	-	-	-	-	-	3	-
CO9	-	-	1	-	3	1	-	-	3	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	2	3	1	3	3	2	1	3	2

Suggested Readings

Health Education

- 1. K. Park, "Preventive and Social Medicine" BanarsidasBhanoth, Publishers Nagpur Road, Jabalpur, India.
- 2. NCERT (2013). Training and resource materials on Adolescence Education, NCERT, New Delhi (This material is also available on <u>www.aeparc.org.www.ncert.nic.in</u>)
- 3. NCERT (2014). Population Education: Source Material, NCERT, New Delhi
- 4. Stephen J. Williams, Paul R. Torrens, "Introduction to Health Service, Delmore Publications

Physical Education

- 1. Deborah A. Wuest, Charles A. Bucher, "Foundation of Physical Education Exercise Science and Sports" Tata McGraw Hill, Pvt. Ltd., New Delhi
- 2. John E. Mixton, Ann E. Jewett, "An Introduction to Physical Education, W.B. Saunders Company, London
- 3. John Cheffers, Tom Evaul, "Introduction to Physical Education-Concept of Human Movement Prentice Hall Engle Wood" New Jersy
- 4. Bette J., Logdson& Others, "Physical Education for Children", Lea &Febiger, Philadelphia
- 5. Roberts S. Weinberg & Daniel Gould, "Foundation of Sports and Exercise Psychology", Human Kinetics Publication
- 6. A.K. Uppal, LawranceGray Kumar, "Biomechanics in Physical Education and Exercise Science" Friends Publication, New Delhi
- 7. Jack H. Wilmore, David L. Costill, W. Larry Kenney, "Physiology of Sports and Exercise" Human Kinetics Publication

Yoga

- 1. Swami SatyanandSaraswati, "Asana Pranayama Mudra Bandh", Bihar School of Yoga, Munger
- 2. M.M. Ghore, "Anotomy and Physiology of Yogic Practices" Lonavala Yoga Institute, Lonavala
- 3. Gharote M.L. (2004). Applied Yoga, Kaivalyadhama S.M.Y.M. Samiti, Lonvala
- 4. "Yogasana" Morarji Desai National Institute of Yoga, New Delhi
- 5. "Pranayama" Morarji Desai National Institute of Yoga, New Delhi
- 6. MDNIY (2010). "Yoga Teachers Manual for School Teachers, New Delhi
- 7. NCERT (2015). Yoga: A Healthy Way of Living Upper Primary Stage, New Delhi
- 8. NCERT (2015). Yoga: A Healthy Way of Living Secondary Stage, New Delhi

EF-4: Working with Community

Course Outcome

On completion of the course, the pupil teacher will be able to

CO1	Explain the factors working within the society, community i.e. knowledge of
soci	al realities
CO2	Develop the dignity of labour among student – teachers
CO3	Create awareness on social and economic reconstruction of the country.
CO4	Point out the educational problems and needs of the society.
CO5	Prepare youth for sustainable development.
CO6	Develop personality through community service.

Student teachers shall be provided exposure to community life for at least one week during which they shall live with the community members and act in terms of preparing school development plan, sharing cultural practices, holding cultural programmes and gaining community's perception about and aspirations from formal education system. The members of SMC/VMC should be associated in these activities.

The institution will form a committee, including faculty members, student teachers and community/SMC members for the smooth organization of this programme. The student teachers shall prepare a detailed report of the programme, individually and/or in group during the activity and submit at the end of the programme.

Transaction Mode

Discussion, Rally, Competitions (Debates) Posters and Banner displays Working in community setting, Mass movement, *Nukkad*Performances, Local action group formation, surveys, interviews, action research, case study, dissemination of success stories etc.

Suggested Activities

- > Micro planning of a school community relationship
- > Study of the nature of community participation in a secondary school
- Survey of community resources for participation in scholastic and co-scholastic activities of a school educational survey of a slum area report on social customs, traditions and superstition
- Survey of a village/town with at least 20 households in order to study the socioeconomic and educational status of the villager
- Study of wastage and stagnation in local primary schools
- Study of an area in regard to consumption of electricity and water and suggest remedial measures
- > Tree plantation programme in the campus/nearby village
- Survey of parent's attitude towards education of their children
- Organization of non-formal education centers for dropouts and out of school children in a locality
- Organization of campus beautification programme
- > Identification of problems of parents with respect to education of their children
- Aids awareness, electoral awareness, road safety, human rights, women rights etc literacy programmes in the community
- > Cleanliness drives in the community and awareness about its needs
- > Developing healthy food habits among the community members
- > Training of community in some simple vocations for self-employment
- > Action research on local problems in consultation with the community

- Micro planning exercises for assessing the educational status of the community
- Establishment of peace-committees and making them functional effectively
- > Critical review of implementation of RTE act (2009).
- > Assistance and working with local community in actual relief work whenever needed
- Training of community in first aid
- Exploiting the community resources and finding means and ways of using them for school

Many more such exercises could be conceived. Any such activities could be planned at the institutional level and executed. It is suggested that these activities may be conducted individually or collectively under the supervision of teacher educators.

The performance of student teachers in all activities will be graded in a five-point scale and at the end of the programme overall grade will be awarded.

A-Excellent, B-Very Good, C-Good, D-Average, E-Poor

PSO - CO MAPPING

PSO/CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	-	3	-	3	1	1	1	-	-
CO2	-	3	3	1	-	-	-	-	3	1
CO3	3	1	2	1	3	-	-	-	-	-
CO4	3	-	-	-	3	2	-	-	-	-
CO5	1	-	2	-	1	3	2	-	3	-
CO6	-	3	-	-	-	-	-	-	3	-

COURSE WISE AVERAGE MAPPING

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
Course	3	3	3	2	3	3	2	1	3	1