

1.Name of the Department : Education (D.El.Ed.)											
2.Course Name		CHILD DEVELOPMENT AND PROCESS OF LEARNING			L	T	P				
3.Course Code		DED 401			2	1	0				
4.Type of Course (use tick mark)					Core(√)	DE()	FC()				
5.Prerequisite (if any)		Graduation with any Discipline	6.Frequency (use tick marks)		Even()	Odd(√)	EitherSem()	EverySem()			
7.Total Number of Lectures, Tutorials, Practical											
Lectures=25			Tutorials=10			Practical=Nil					
8. COURSE OBJECTIVES-											
1. Introducing the assumptions and principles of different stages of child development.											
2. Introducing chief aspects of child development (Physical, Mental and Emotional) and providing knowledge of factors affecting them.											
3. Making them acquainted with the techniques of identify and solving the problems related to the developmental and behavioral difficulties of children.											
4. To get the knowledge of various psychological tests and become efficient in applying those tests to evaluate and develop the abilities of children.											
9.COURSE OUTCOMES (CO):											
<i>After the successful course completion, learners will develop following attributes:</i>											
COURSE OUTCOME(CO)		ATTRIBUTES									
CO1		The Students will be able to understand the concept of child development and its various stages and factors influencing it.									
CO2		The Students will be able to enhance the knowledge of learning and principles of learning.									
CO3		The Students will be able to develop the appropriate techniques of identifying and solving the problems psychologically related behaviour of child.									
CO4		The Students will be able to develop the skills of problem- solving , scientific approaches, different techniques and principles in learning and various aspects of child development.									
CO5		The Students will be able to acquaint the students about graphical representation and measures of central tendency (Mean, Median and Mode).									
10.Unit wise detailed content											
Unit-1		Number of lectures = 12			Title of the unit : Child Development						
<ul style="list-style-type: none"> • Meaning of child development, need and its scope. • Stages of child development (infancy, childhood, adolescence) and various aspects of development during these stages. Physical development. Mental development, intelligence, intelligence quotient,(I.Q.) intelligence test. Emotional development, cognitive development (Piaget's Theory). Social development. Language development - Development of ability to express. Creativity and development of creative skills. • Development of personality: meaning and types (introvert, extrovert, ambivert). • Methods of personality testing and ways for adjustment. • Individual differences - meaning, factors and importance. • Development of imagination, thinking and Reasoning. • Basis of child development and factors affecting it Heredity Environment (Family, Society, school, and Means of Communication). 											
Unit-2		Number of lectures =10			Title of the unit : Learning						
<ul style="list-style-type: none"> • Meaning and Principles of Learning -Meaning of learning and factors affecting learning, physical and mental health of child, maturity, willingness for learning, motivation, nature of subject matter, Environment, Physical and mental fatigue. • Effective methods of learning- Learning by doing, learning by imitation, learning by observation, learning by testing, learning by group activities, Conference and seminar method, project method, learning in groups. • Rules of learning- Thorndike's main and secondary laws of learning and their importance in teaching learning • Main principles of learning and their practical utility in class teaching: Thorndike's principle of 'Trial and Error'. Pavlov's theory of 'Conditional Response'. Skinner is theory of 'Operant Conditioning'. Koehler's theory of 'Insight Learning'. Principle of Piaget. Principle of Vyogatsky. Principle of Bruner. Learning curves: meaning and types. Plateau in learning: meaning, causes and solution. Transfer of learning: meaning, types, principle and its importance in teaching learning. 											
Unit-3		Number of lectures = 04			Title of the unit : Motivation						
<ul style="list-style-type: none"> • Motivation- meaning, types and importance. • Methods of motivation- Interest, Success, competition, group work, praise, reward, attention, sports, participation in social activities, class room atmosphere. Motivation of active members of the community, village educational committee/ school management committee and members of other school committee in reference to teaching learning and school management. 											
Unit-4		Number of lectures = 05			Title of the unit : Attention , Interest and Memory						
<ul style="list-style-type: none"> • Attention: meaning, types, factors affecting attention and methods for concentrating children attention. • Interest: Meaning, types and testing of child's interest and methods for inculcating interest in them. Importance of interest in learning, interrelationship between interest and attention. • Memory: Meaning, kinds and effective factors for good memory. Meaning of forgetfulness, reasons and importance. 											
Unit-5		Number of lectures = 04			Title of the unit : Statistics						
<ul style="list-style-type: none"> • Statistics–Meaning, importance and graphical representation of data. • Mean, Medium and Mode. 											
11.CO-POmapping											
COs		Attributes			PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1		The Students will be able to understand the concept of child development and its various stages and factors influencing it.			3	3	2	2	3	-	-

CO2	The Students will be able to enhance the knowledge of learning and principles of learning.	3	3	2	2	2	-	-
CO3	The Students will be able to develop the appropriate techniques of identifying and solving the problems psychologically related behaviour of child.	3	3	2	2	2	-	-
CO4	The Students will be able to develop the skills of problem- solving , scientific approaches, different techniques and principles in learning and various aspects of child development.	3	3	2	2	2	-	-
CO5	The Students will be able to acquaint the students about graphical representation and measures of central tendency (Mean, Median and Mode).	2	2	2	2	2	-	-

3Strongcontribution,2Averagecontribution,1Lowcontribution

12. Brief description of self-learning/E-learning component

<https://drive.google.com/file/d/1xLUOOUGJly2VY5csoxXAUz6uL2qlyBR/view?usp=sharing>

https://drive.google.com/file/d/1awrpkyC_WimjysDw24VpEgciu1EvgXe2/view?usp=sharing

<https://drive.google.com/file/d/1IHnT8bUipOxNXsOdtiQI8VJ4e2I6POB-/view?usp=sharing>

<https://drive.google.com/file/d/1waytfeq0rkTs85iw7Sj103QtyvymMV6l/view?usp=sharing>

<https://drive.google.com/file/d/1QhTNgwLdiRgJw2nrZo7I7-Vqn-V9O51/view?usp=sharing>

13. Books recommended:

1. Child Development and Process of Learning
Smt. R.K.Sharma, Radha Prakashan Mandir Ltd.
2. Child Development and Process of Learning
Mahendra Srivastava and Satish Kumar, Agrawal Publication.
3. Educational Psychology
Arun Kumar Singh, Bharti Bhawan (P&D)
4. Educational Psychology
Bhatia & Bhatia, Doaba House Publishers
5. Essential of Educational Psychology
J.C.Aggarwal,Vikas Publishing House Pvt.Ltd.

1. Name of the Department: Education				
2. Course Name	PRINCIPLE OF TEACHING LEARNING	L	T	P
3. Course Code	DED402	2	1	0
4. Type of Course (use tick mark)		Core (√)	DE ()	FC ()
5. Pre-requisite (if any)		6. Frequency (use tick marks)	Even ()	Odd (√)
			Either Sem ()	Every Sem ()
7. Total Number of Lectures, Tutorials, Practicals				
Lectures = 25		Tutorials = 10		Practical = Nil
8. COURSE OBJECTIVES: The course is aimed to develop the skills in understanding principles of teaching learning, which is necessary for grooming them into successful education graduate. The topics introduced will serve as basic tools for specialized studies in education field.				
9. COURSE OUTCOMES (CO): <i>After the successful course completion, learners will develop following attributes:</i>				
COURSE OUTCOME (CO)	ATTRIBUTES			
CO1	Define teaching and state the aims of teaching; define communication, explain components, list types of communication, identify need and importance and apply effective communication techniques in teaching and learning.			
CO2	List and explain all principles of teaching; list and explain all maxims of teaching.			
CO3	List, explain and differentiate between different techniques of teaching; list and explain all methods (new) of teaching.			
CO4	Explain the concept, list all skills of micro teaching; explain the concept and importance of expected learning outcome in learning reinforcement.			
CO5	Explain the concept, list, identify and state the characteristics of different teaching learning materials.			
10. Unit wise detailed content				
Unit-1	Number of lectures	07		
<ul style="list-style-type: none"> Meaning and Aims of Teaching Communication Meaning of Communication; Need and importance; Factors and Components of communication; Types of Communication; Methods of effective communication. 				
Unit-2	Number of lectures	07		
<ul style="list-style-type: none"> Principles of Teaching Principle of learning by doing; Principle of motivation; Principle of interest; Principle of definite aims; Principle of planning; Principle of selection; Principle of individual differences; Principle of democratic behaviour; Principle of establishing relationship with life; Principle of repetition; Principle of division (of small steps) Teaching Maxims From easy to difficult; From known to unknown; From concrete to abstract; From whole to part; From indefinite to definite; From direct to indirect; From particular to general; From analysis to synthesis; From Psychological to logical; From experience to (rationalization); Following the nature. 				
Unit-3	Number of lectures	07		
<ul style="list-style-type: none"> Techniques of teaching Lecture method; Explanation method; Narrative method; Descriptive method; Story telling method; Example method; Inspection and observation method; Sport/activity method; Group discussion method; Debate method; Project method; Workshop method; Excursion method; Questionnaire method. New Methods of Teaching Child centered method; Activity based method; Joyful learning method; Co-operative teaching; Skill based teaching; Remedial teaching; Multi class and multigrade teaching. 				
Unit-4	Number of lectures	07		
<ul style="list-style-type: none"> Micro -Teaching and fundamental skills of teaching: Meaning of micro teaching need, importance and types. Teaching skill- Meaning; Skill of introducing the Lesson; Skill of introducing the objective; Skill of introducing questions; Skill of lecturing/ Explanation; Skill of stimulative change; Skill of reinforcement; Skill of black board writing; Skill of recapitulation. Incorporation of more than one teaching skills and activities in teaching. Expected learning level: Concept; Correlation of learning experiences in achieving desired learning level; Importance of expected learning out come in learning reinforcement. 				
Unit-5	Number of lectures	07		
<ul style="list-style-type: none"> Teaching learning Material: Meaning; Need and importance; Types/ classification of teaching learning material; Characteristics of effective teaching learning material. Types of teaching Learning Material: TLM For sensuous learning and perceptual learning; Visual material; Materials made by teacher trainees and students, readymade material. Material provided by department- Operation black board Kit, Mathematics Kit, Science Kit, Text Books, training module, supplementary reading material, teacher module etc. Material from nature - Roots, seeds, sands, leaves, branches, stones, pebbles etc. Audio Material - Radio, tape recorder, Audio C.D., Cassette players etc, Audio –visual material- Computer, T.V., D.V.D., Video, C.D. etc. Characteristics of Effective teaching learning material- Material without cost. Low-cost material; Multipurpose material- can be used for many classes, subjects, topics, academic utility; According to children's interest, age and mental level. Size of material according to class arrangement. Easy to handle; Precautions while making TLM and its use. 				
11. CO-PO mapping				

COs	Attributes	P 0 1	P 0 2	P 0 3	P 0 4	P 0 5	P 0 6	P 0 7
CO1	Define teaching and state the aims of teaching; define communication, explain components, list types of communication, identify need and importance and apply effective communication techniques in teaching and learning.	2	2	3	1	3	-	-
CO2	List and explain all principles of teaching; list and explain all maxims of teaching.	2	2	3	2	3	-	-
CO3	List, explain and differentiate between different techniques of teaching; list and explain all methods (new) of teaching.	2	2	3	3	3	-	-
CO4	Explain the concept, list all skills of micro teaching; explain the concept and importance of expected learning outcome in learning reinforcement.	2	2	3	3	3	-	-
CO5	Explain the concept, list, identify and state the characteristics of different teaching learning materials.	2	2	3	2	3	-	-
3 Strong contribution, 2 Average contribution, 1 Low contribution								
12. Brief description of self-learning / E-learning component								
https://ilizone.iul.ac.in/mod/resource/view.php?id=288435								
13. Books recommended: CO1, PO2, BT2								
<ol style="list-style-type: none"> 1. Sharma R.A (2009)- Essentials of instructional Technology 2. Pitler Howard, Kuhn Matt (2012)- Using Technology with classroom instruction that works. 3. Nimbalkar M.R (2011) Educational skills & strategies of Teaching. 4. Thorne L.Steven, May Stephen (2017) Language, Education and technology. 5. Kulshrestha S.P (2011) Foundations of Educational Technology. 								

1. Name of the Department: Education								
2. Course Name	SCIENCE-A			L	T	P		
3. Course Code	DED 403			1	1	0		
4. Type of Course (use tick mark)				Core (√)	DE ()	FC ()		
5. Pre-requisite (if any)	Graduation with any Discipline	6. Frequency (use tick marks)	Even ()	Odd (√)	Either Sem ()	Every Sem ()		
7. Total Number of Lectures, Tutorials, Practical								
Lectures = 10			Tutorials = 10		Practical = Nil			
8. COURSE OBJECTIVES-								
<ul style="list-style-type: none"> To develop scientific thinking of what, why, How. To develop understanding of the subject matter of science. To educate the trainees to present the contents through resources and material available in the surroundings. To enable the trainees to present the scientific concepts through daily life activities and events. To train them to present the content of science in interesting ways. 								
9. COURSE OUTCOMES (CO):								
<i>After the successful course completion, learners will develop following attributes:</i>								
COURSE OUTCOME (CO)	ATTRIBUTES							
CO1	Students will be able to define natural and man-made things.							
CO2	Students will be able to differentiate in Sexual and Asexual reproduction.							
CO3	Students will be able to define MKS & SI unit.							
CO4	Students will be able to understand the different types of motion and force.							
CO5	Students will be able to understand states of matter							
10. Unit wise detailed content								
Unit-1	Number of lectures = 02	Title of the unit: Living things						
Natural and man-made things and their classification, differences between living and non-living things, similarities and differences between plants and animals, environmental adaptation between plants and animals. Plant's World: Different parts of plants and their functions, uses of plants and animals, modification and uses of different parts of plants								
Unit-2	Number of lectures =02	Title of the unit: Different kinds of Reproduction in plants						
Sexual and asexual reproduction, parts of a flower, pollination, fertilization, seed and dispersion of seed.								
Unit-3	Number of lectures = 02	Title of the unit: Physical Measurement						
Need and methods, standards, M.K.S. or S.I. System, Apparatus used in measurement e.g. -Rain gauge, Thermometer etc								
Unit-4	Number of lectures = 02	Title of the unit: Motion and Force						
What is motion, laws of motion, types of motion (linear motion, circular motion, rotational motion, and vibrational motion), speed; definition, formula and unit, force; muscular, gravitational, magnetic, electrical and frictional.								
Unit-5	Number of lectures = 02	Title of the unit: Matter and States of matter						
States of matter (solid, liquid and gas), property and structure, solubility of matter, kinds of mixture and separation of mixture.								
11. CO-PO mapping								
COs	Attributes	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	Students will be able to define natural and man-made things.	2	2	2	2	2	-	-
CO2	Students will be able to differentiate in Sexual and Asexual reproduction.	2	1	1	2	2	-	-
CO3	Students will be able to define MKS & SI unit.	1	2	2	2	2	-	-
CO4	Students will be able to understand the different types of motion and force.	2	2	2	1	2	-	-
CO5	Students will be able to understand states of matter	2	2	2	1	2	-	-
3 Strong contribution, 2 Average contribution , 1 Low contribution								
12. Brief description of self-learning / E-learning component								
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13. Books recommended:

1. Martin D.J (2009) Elementary science methods- A constructivist approach
2. Bhatnagar S.S &Bhatnagar A.B (2009)- Pedagogy of Science
3. Yadav M.S (2004) Teaching Science at higher level.
4. Kulshreshtha S.P(2011) Teaching of Science
5. Mishra Savita (2016) Pedagogy of Science Teaching

1. Name of the Department : Education (D.El.Ed.)										
2. Course Name	MATHEMATICS - A			L	T	P				
3. Course Code	DED 404			1	1	0				
4.Type of Course (use tick mark)				Core(√)	DE()	FC()				
5.Prerequisite (if any)	Graduation with any Discipline	6.Frequency (use tick marks)	Even()	Odd(√)	Either Sem()	Every Sem()				
7.Total Number of Lectures, Tutorials, Practical										
Lectures =1		Tutorials =1		Practical = Nil						
8. COURSE OBJECTIVES -										
<ul style="list-style-type: none"> To develop an understanding in trainees, relation between mathematical words, mathematical operation and symbols used in Maths. To develop knowledge of subject matter and understanding of their concepts. Train the trainees to present the need and utility of the contents in interesting manner. To get the T.L.M./ Activity/ Computer game/ Puzzle prepared by the trainee related to the subject matter. To introduce pedagogy and methodology of Maths used in teaching the contents of Maths. To explain the utility of educational techniques in teaching Maths and make them proficient in its use. To train the trainees for continuous evaluation of the contents of Maths. 										
9.COURSE OUTCOMES (CO):										
<i>After the successful course completion ,learners will develop following attributes:</i>										
COURSEOUTCOME(CO)	ATTRIBUTES									
CO1	The Students will be able to explore the knowledge of numbers, place value and operations and its application.									
CO2	The Students will be able to develop the skills of solving problem related to L.C.M. and H.C.F., Percentage.									
CO3	The Students will be able to apply scientific approaches, different techniques and methods in solving problems of basic algebra and geometry.									
CO4	The Students will be able to enhance their knowledge of angle and its constructions and triangle, rectangle, square and circle and its perimeter.									
CO5	The Students will be able to develop the interest in subject matter and correlate the knowledge with real life situation and also able to prepare the teaching learning material from the surrounding materials for teaching Maths.									
10.Unit wise detailed content										
Unit-1	Number of lectures = 05	Title of the unit : Number and Numerals								
<ul style="list-style-type: none"> Understanding of numbers and numerals, knowledge of digits place value. Concept and operations of multiplication and division. Concept of fraction and mathematical operations. Concept of decimal number, place value of digits used in decimal numbers and mathematical operations. 										
Unit-2	Number of lectures = 05	Title of the unit : Factors, L.C.M., H.C.F., and Percentage								
<ul style="list-style-type: none"> Concept of factor (divisor), multiple common factor, common multiple. Concept of L.C.M. and H.C.F. meaning of composite and prime numbers. Meaning and symbol of percentage and to find out percentage. 										
Unit-3	Number of lectures = 05	Title of the unit : Graph, Algebra and Plane								
<ul style="list-style-type: none"> Representation of ungrouped data by pictograph, bar-graph and -pie-graph. Knowledge of like and unlike algebraic expression its addition and subtraction. Concept of plane, plane segment, point, line, curve, line segment, rays and angle. 										
Unit-4	Number of lectures = 04	Title of the unit : Construction of Angles								
<ul style="list-style-type: none"> Making angle of 60 degree , 90 degree and 120 degree with the help of scale and compass. Types of angle (Acute angle, right angle and obtuse angle) 										
Unit-5	Number of lectures = 05	Title of the unit : Triangle, Rectangle, Square, Circle and its Perimeter								
<ul style="list-style-type: none"> Concept of triangle, rectangle, square, circle and knowledge of its parts. Meaning of perimeter. 										
11.CO-PO mapping										
COs	Attributes			PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	The Students will be able to explore the knowledge of numbers, place value and operations and its application.			3	3	3	2	2	-	-
CO2	The Students will be able to develop the skills of solving problem related to L.C.M. and H.C.F., Percentage.			3	3	3	3	2	-	-
CO3	The Students will be able to apply scientific approaches, different techniques and methods in solving problems of basic			3	3	3	3	2	-	-

	algebra and geometry.							
CO4	The Students will be able to enhance their knowledge of angle and its constructions and triangle, rectangle, square and circle and its perimeter.	3	3	3	2	3	-	-
CO5	The Students will be able to develop the interest in subject matter and correlate the knowledge with real life situation and also able to prepare the teaching learning material from the surrounding materials for teaching Maths.	3	3	3	3	3	-	-

3Strongcontribution,2Averagecontribution,1Lowcontribution

12. Brief description of self-learning / E-learning component

<https://classroom.google.com/c/NTM3OTU3ODI3OTZa/p/OTg0OTIzOTY1OTIa/details>

<https://classroom.google.com/c/NTM3OTU3ODI3OTZa/p/NjM4MTA5NjlyNzRa/details>

<https://classroom.google.com/c/NTM3OTU3ODI3OTZa/p/Njc3OTM3NzM0ODIa/details>

13. Books recommended :

- Class Teaching of Mathematics, Ashwani Kumar Jain, Agrawal Publication, Agra.
- Mathematics Class Teaching and Content, H.S.Sharma, Radha Prakashan mandir, Agra.
- Mathematics Class Teaching and Content, Jai Prakash Ojha and Vijay Kant Sachan, Sahitya Prakashan, Agra.
- Teaching of Mathematics, Dr. A.K. Kulshrestha, Surya publication, Meerut.

1. Name of the Department: Education		Social Studies-A		L	T	P				
2. Course Name		Social Studies-A		3	1	0				
3. Course Code		DED405		Core (√)	DE ()	FC ()				
4. Type of Course (use tick mark)										
5. Pre-requisite (if any)	Graduation	6. Frequency (usetick marks)	Even	Odd (√)	Either Sem ()	Every Sem ()				
7. Total Number of Lectures, Tutorials, Practical										
Lectures = 30			Tutorials = 10		Practical = Nil					
8. COURSE OBJECTIVES: The purpose of this Diploma course is to impart basic and key knowledge of Educational technological techniques and teaching . By using the principal of learning and teaching students may enable themselves a better teacher. After successfully completion of course, the student will able explore subject into their respective dimensions.										
9. COURSE OUTCOMES (CO): <i>After the successful course completion, learners will develop following attributes:</i>										
COURSE OUTCOME (CO)		ATTRIBUTES								
CO1		Students will be able to know about .meaning and concept of history significance and its sources .								
CO2		Students would able to understand the Vedic period :Pre and post Vedic period. Mahajanpadas Age Upanishadic period - Jain and Buddha religion.								
CO3		Students will be able to know about .Solar System Map and Atlas Latitude and Longitude Thermal zones on the Earth, Hemisphere and poles.								
CO4		Students will be able to know about Rural and Urban life styles. Panchayati Raj System - village Panchayat, Block Panchayat, District Panchayat, their formation and function.								
CO5		To make the contents of social study for use of the child centric teaching methods as acting, group discussion, panel discussion, debate, problem solution, excursion, project method etc.								
10. Unit wise detailed content										
Unit-1		Number of lectures = 08		Title of the unit: Gaseous States						
Meaning and concept of History, significance and its sources, epigraphically and monetary coins and records, literary description travelogues by foreign travelers, methods of time determination . and development of human being on the earth, Stone Age, Copper age, Bronze Age, and Iron Age. Valley Civilization: Indus Valley Civilization Mesopotamian civilization, civilization of Egypt, Chinese Civilization. Vedic period: Pre and post Vedic period.										
Unit-2		Number of lectures =08		Title of the unit: Colloidal State						
Vedic period: Pre and post Vedic period. Mahajanpad Age - Earliest sixteen Mahajanpads of India, Empire of Magadh - Sikandar's invasion and its influences on India. Upanishadic period - Jain and Buddha religion.										
Unit-3		Number of lectures = 08		Title of the unit: Thermodynamics- I						
system - planets, satellites, asteroids, galaxy, comets. Map and Atlas - meaning, concept and knowledge of direction, formation and stencil works. Latitude and Longitude: what, why, how GMT, IST International date, line, time zones, prime meridian. Thermal zones on the Earth, Hemisphere and poles. Motions of Earth- Rotation and Revolution, what, why, how and its consequences (influences) Continents and oceans. India in Asia - Position and its boundaries, neighbouring countries, land features, climate flora and fauna. Astronomical organization - Nasa and ISRO etc.										
Unit-4		Number of lectures = 08		Title of the unit: Thermochemistry						
Rural and Urban life styles. Rular al life - Panchayati Raj System - village Panchayat, Block Panchayat, District Panchayat, their formation and function. Urban life - town Panchayat, Municipal Council, Metropolitan Corporation formation and function. District level Administration - Law and order, Land system, Development of Citizen's facilities, Education, Health and security system. Traffic and Security. Knowledge of rules and signals of road transport. Cautions for safety on road accidents.										
Unit-5		Number of lectures = 08		Title of the unit: Phase Equilibrium						
Rail transport, knowledge of signals and symbols on railway crossing .Cautions during Rail journey. Knowledge of traffic signals. Economics - An Introduction: Beginning of Economics, View point of Economists on Economics, contribution of famous eonomists- Adam Smith, Alfred, Marshel, Robbins, J K Mehata, Amartya sen etc 6.National Income, Per capita Income, Gross domestic product (G.D.P.) Net Domestic Product (NDP) Gross National Product (GNP) Net National Product (NNP) Personal Income, Disposable Income, National Income and Economic Development.										
11. CO-PO mapping										
CO	Attribut es			PO1	PO 2	PO3	PO4	PO5	PO 6	PO7
CO	Students will be able to know about .meaning and concept of history significance and its sources .			2	1	1	2	2	1	

1								
CO 2	Students would able to understand the Vedic period :Pre and post Vedic period. Mahajanpadas Age .Upanishadic period - Jain and Buddha religion.	2	1	2	1	2	1	
CO 3	Students will be able to know about .Solar System Map and Atlas Latitude and Longitude Thermal zones on the Earth, Hemisphere and poles.	2	1	2	3	2	1	
CO 4	Students will be able to know about Rural and Urban life styles. Panchayati Raj System - village Panchayat, Block Panchayat, District Panchayat, their formation and function.	2	1	1	2	2	2	
CO 5	To make the contents of social study for use of the child centric teaching methods as acting, group discussion, panel discussion, debate, problem solution, excursion, project method etc.	2	1	1	2	3	2	

3 Strong contribution, 2 Average contribution , 1 Low contribution

12. Brief description of self learning / E-learning component

https://drive.google.com/file/d/1UugyBNO_AeHLKXg

13. Books recommended:

1. Batra, Poonam (2010) Introduction in Poonam Batra (ed) (2010) Social Science Learning in Schools; Perspective and Challenges, Sage: New Delhi pp 3-41
2. Bhattacharya, Neeladhari (2009). Teaching History in Schools: The Politics of Textbooks in India. History Workshop Journal. 67 (1) pp 99-110
3. NCERT, (2006). Position Paper National Focus Group on Teaching of Social Sciences. NCERT: New Delhi. pp. 1-19
4. Social Science Textbooks for classes VI, VII and VIII, New Delhi: NCERT 2006-2008
5. George, A. and A. Madan (2009) Teaching Social Science in Schools: NCERT's New Textbook Initiative. Sage: New Delhi. pp 31-57

1. Name of the Department: Education								
2. Course Name	HINDI A			L	T	P		
3. Course Code:	DED406			1	1	0		
4. Type of Course (use tick mark)				Core (√)	DE ()	FC ()		
5. Pre-requisite (if any)		6. Frequency (use tick marks)	Even ()	Odd (√)	Either Sem ()	Every Sem ()		
7. Total Number of Lectures, Tutorials, Practicals								
Lectures = 15		Tutorials = 10		Practical = Nil				
8. COURSE OBJECTIVES: The course is aimed to develop language proficiency and interest towards language among students, which is necessary for grooming them into successful education graduate. The topics introduced will serve as basic tools for specialized studies in education field.								
9. COURSE OUTCOMES (CO): <i>After the successful course completion, learners will develop following attributes:</i>								
COURSE OUTCOME (CO)		ATTRIBUTES						
CO1	Classify the sound, identify the vowels and consonants, understand the importance of correct pronunciation, identify the causes of incorrect pronunciation and suggest ways to improve pronunciation in Hindi language.							
CO2	Recognize antonyms and synonyms, identify rhythmic and homo-phonetic words and improve their vocabulary in Hindi language.							
CO3	Explain the history, state the importance and limitations of Devnagari script.							
CO4	List, identify and state use of each punctuation marks in Hindi language.							
CO5	State methodology of writing skills and suggest measures to improve writing skills.							
10. Unit wise detailed content								
Unit-1	Number of lectures	05						
<ul style="list-style-type: none"> To listen and understand sounds and correct pronunciation in Hindi language. हिंदी भाषा में ध्वनियों को सुनकर समझना एवं शुद्ध उच्चारण 								
Unit-2	Number of lectures	05						
<ul style="list-style-type: none"> Recognition of Antonyms, Synonyms, rhythmic and Homophonic sounds. विलोम, समानार्थी, तुकान्त एवं समान ध्वनियों वाले शब्दों की पहचान 								
Unit-3	Number of lectures	05						
<ul style="list-style-type: none"> Knowledge of all symbols, vowels, consonants, compound letters and words, syllables in Devnagri Script. देवनागरी के समस्त लिपि संकेतों, स्वर, मात्रा, व्यंजन, संयुक्त वर्ण एवं संयुक्ताक्षर तथा मात्राओं का ज्ञान 								
Unit-4	Number of lectures	05						
<ul style="list-style-type: none"> Knowledge and usage of comma, colon, semi-colon, full stop, question mark, exclamatory mark, inverted comma. अल्प विराम, अर्द्ध विराम, पूर्ण विराम, प्रश्नवाचक, विस्मयबोधक, अवधरण चिह्न तथा विराम चिह्न का ज्ञान एवं उनका प्रयोग 								
Unit-5	Number of lectures	05						
<ul style="list-style-type: none"> Methodology of writing, Important topics of learning, way of seating, distance of paper to eyes, How to hold the pen, starting line, script, sharpness of word and appropriate example, practice, writing, transcription and dictation. लेखन शिक्षण की विधियाँ और लिखना सीखने में ध्यान रखने योग्य बातें: बैठने का ढंग, आँखों से कागज़ की दूरी, कलम पकड़ने के विधि, शिरोरेखा, लिपि, अक्षर की सुडौलता एवं उपयुक्त नमूने, अभ्यास, सुलेख, अनुलेख एवं श्रुतलेख 								
11. CO-PO mapping								
COs	At tribu tes	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	Classify the sound, identify the vowels and consonants, understand the importance of correct pronunciation, identify the causes of incorrect pronunciation and suggest ways to improve pronunciation in Hindi language.	3	3	3	1	3	-	-
CO2	Recognize antonyms and synonyms, identify rhythmic and homo-phonetic words and improve their vocabulary in Hindi language.	3	2	3	1	3	-	-
CO3	Explain the history, state the importance and limitations of Devnagari script.	3	2	3	1	3	-	-
CO4	List, identify and state use of each punctuation marks in Hindi language.	3	3	3	1	3	-	-
CO5	State methodology of writing skills and suggest measures to improve writing skills.	3	2	3	3	3	-	-
3 Strong contribution, 2 Average contribution, 1 Low contribution								
12. Brief description of self learning / E-learning component								

<https://ilizone.iul.ac.in/mod/resource/view.php?id=287586>

13. Books recommended:

1. Mangal, Uma (2006). Hindi Shikshan. Delhi: Agra Book Depot.
2. Singh, Savitri (1992). Hindi Shikshan. Meerut: Loyal Book Depot.
3. Bhai, Yogendrajeet (2005). Hindi Bhasha Shikshan. Agra: Vinod Pustak Mandir.
4. Pandey, R.S. (1992). Hindi Shikshan. Agra: Vinod Pustak Mandir.
5. Prasad, Keshar (1991). Teaching of Hindi. Dhanpat Rai and sons.
6. Mishra, Alka. Hindi Shikshan. Agra: Agarwal Publications.

1.Name of the Department : Education (D.El.Ed.)						
2.Course Name	COMPUTER EDUCATION A			L	T	P
3.Course Code	DED 407			1	1	0
4.Type of Course (use tick mark)				Core(v)	DE()	FC()
5.Prerequisite (if any)	Graduation with any Discipline	6.Frequency (use tick marks)	Even()	Odd(v)	EitherSem()	EverySem()
7.Total Number of Lectures, Tutorials, Practical						
Lectures=15		Tutorials=10		Practical=Nil		
8. COURSE OBJECTIVES-						
<ol style="list-style-type: none"> 1. Introducing the basics of the computer, internet and basics of microprocessor. 2. To provide information relating life skill and content through activities based on technology. To trained trainees in use of computer game/video clip etc. for making class room teaching effective. 3. To provide information regarding Microsoft office open source software cyber safety and rule to the trainees. 4. To get the knowledge of various applications of computer, Microsoft office etc. 5. To get the knowledge of various internet browsers and searching the material on internet. 						
9.COURSE OUTCOMES (CO):						
<i>After the successful course completion, learners will develop following attributes:</i>						
COURSE OUTCOME(CO)	ATTRIBUTES					
CO1	Students shall be able to know about computers ,apply the use of computer, also able to apply use multimedia and internet effectively during class room teaching. Student shall be able to know about basics of microprocessor.					
CO2	Students shall be able to know about computers ,basics of operating system, overview of computer programming.					
CO3	Students will be familiar with Saving of data, use of computer game/video clip etc. for making class room teaching effective and interesting.					
CO4	Students will be familiar with different applications of computer ,Microsoft office open source software,multimedia applications etc. Students will be familiar with different types of memories.					
CO5	Students shall be able to search the material on internet and make them aware in the use and utility of computer regarding new academic researchers in the world. .					
10.Unit wise detailed content						
Unit-1	Number of lectures = 5	Title of the unit : Definition of a Computer System				
<ul style="list-style-type: none"> • On the basis of Data Representation (Analog, Digital & Hybrid) • On the basis of Size & Speed (Microcomputers (PC), Minicomputers, Mainframes & Super Computers) • Uses & Application area of Computers Advantages & Limitations of Computers. • Components of a Computer System Hardware Input Devices (Keyboard, Mouse, Trackball, Stylus, Light pen etc.) • Processing Devices C.P.U. / Microprocessors Overview & Basic Concept Registers & Buses Processing Speeds (GHz etc.) • Memory Overview & Basic Concept Capacity Terminology (Bits, Bytes, KBs, MBs, GBs, TBs etc.)Processing Speeds (Bps, Kbps, Mbps etc.). 						
Unit-2	Number of lectures =5	Title of the unit : Working of a Computer System				
<ul style="list-style-type: none"> • Working of a Computer System I-P-O (Input Processing & Output cycle) • Overview of Instructing / Programming a Computer machine. • Working with System Software (Operating System (OS) module only) Introduction to OS • OS : Functions, Uses & Benefits, Types of OS (Single User, Multiuser, Multitasking, Multiprocessing, Real-Time etc.), Introduction to different types of OS (Windows, Macintosh, Linux Ubuntu etc.). • Using Microsoft s Windows OS (Microsoft Windows XP), Welcome screen ,Desktop screen 						
Unit-3	Number of lectures = 5	Title of the unit : Concept of a Desktop				
<ul style="list-style-type: none"> • Components of the Windows XP s Desktop (Icons, Taskbar, Clock & Calendar etc.) • Desktop s settings (Wallpapers, Screen Savers etc.) • Start Menu (Links, All Programs etc) Files & Folders management • Introduction to My Computer Working with Windows Explorer (Parts of a window, Control buttons, Scrolling etc.) • Working with Files & Folders (Creation, Deletion, Renaming, Coping, Moving, Nesting etc.) 						
Unit-4	Number of lectures = 5	Title of the unit : Concept of a Desktop and memory				
<ul style="list-style-type: none"> • System Management, Turning ON & OFF your computer machine Control Panel, Device (Printer, Fax, Mouse, Keyboard etc.) management 						

- Program (Installation & Uninstallation) management Recycle Bin, Working with Applications Software (Hand on practice over general applications)
- Calculator, Notepad, MS Paint, Games etc. Installing new software & using it,
- Working with Multimedia, Introduction & Basic Concept Uses & Application, Using some Multimedia Application (Windows Media Player, Microsoft s Encarta etc.)
- Uploading innovative teaching methods in different browsers.
- Types of Memory
- Primary (RAM, ROM, Cache) Secondary (HDDs, CDs, DVDs, PDs, Memory Cards etc.)
- Output Devices (V.D.U., Printer), Software (System Software, Application Software)

Unit-5 **Number of lectures = 5** **Title of the unit : Internet**

- Introduction to Networking
- Introduction & Basic Concept Uses & Application Types of Networks
- Performing setup together (Two or more systems in a network)
- Introduction to Internet Introduction & Basic Concept Components of Internet (Web Browser, Server, Website & Web pages, Hyperlinks).
- Services of Internet (WWW, Email, FTPs, Chatting etc.)
- Performing setup for Internet in a Computer System.

11.CO-POmapping

COs	Attributes	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	Students shall be able to know about computers ,apply the use of computer, also able to apply use multimedia and internet effectively during class room teaching. Student shall be able to know about basics of microprocessor.	2	3	2	3	1		
CO2	Students shall be able to know about computers ,basics of operating system, overview of computer programming.	3	1	3	3		1	1
CO3	Students will be familiar with Saving of data, use of computer game/video clip etc. for making class room teaching effective and interesting.	2	2	1	3	1		
CO4	Students will be familiar with different applications of computer ,Microsoft office open source software,multimedia applications etc. Students will be familiar with different types of memories.	1			2	2	1	
CO5	Students shall be able to search the material on internet and make them aware in the use and utility of computer regarding new academic researchers in the world. .	1		1	3	2	2	

3Strongcontribution,2Averagecontribution,1Lowcontribution

12.Brief description of self-learning/E-learning component

- <https://drive.google.com/drive/folders/1n1CMQA5b4fQ63qq3crBIIUoA5QZHcw-b?usp=sharing>
- https://drive.google.com/drive/folders/1jS2bqhT3ueLc3CCDUGv-IRRH9_q1sZXb?usp=sharing
- <https://drive.google.com/drive/folders/1-x08ZbxkUtO7XeK5eSXK0xZeg6uUQmTm?usp=sharing>
- https://drive.google.com/drive/folders/1lhrU2t9T6YTHf91kfOq7Oz272UN_-Uil?usp=sharing
- <https://drive.google.com/drive/folders/1OJhLnAPLqLovymQizWdRtZYWYyKMJSrt?usp=sharing>

13.Books recommended:

1. Perival. F. And Ellington H, 1984 A Handbook of Educational Technology, London: Kogon
2. Sampath et. al 1984. Introduction to Educational Technology, Sterling Publishers Pvt. Ltd, New Delhi.
3. Roblyer, MD; Edwards, J. Havriluk, Mary 2000. Integrating Educational Technology into Teaching.
4. Kulkarni, SS 1986 Introduction to Educational Technology, IBH Publishing Co., New Delhi.
5. UNESCO 1988 Linking Technology with Science Education Technology in life, UNESCO Press.
6. Ruhela S.P, (1973) Educational Technology, Raj Prakashan, New Delhi.
7. Mangal, S. K; Mangal Uma; 2009, Essentials of Educational Technology, PHI Learning Pvt. Ltd., New Delhi.

1. Name of the Department: Education								
2. Course Name	Urdu -A		L	T	P			
3. Course Code	DED409		3	1	0			
4. Type of Course (use tick mark)			Core (√)	DE ()	FC ()			
5. Pre-requisite (if any)	Graduation	6. Frequency (usetick marks)	Even ()	Odd (√)	Either Sem ()	Every Sem ()		
7. Total Number of Lectures, Tutorials, Practical								
Lectures = 20		Tutorials = 08		Practical = Nil				
8. COURSE OBJECTIVES: The purpose of this Diploma course is to impart basic and key knowledge of Educational technological techniques and teaching . By using the principal of learning and teaching students may enable themselves a better teacher. After successfully completion of course, the student will able explore subject into their respective dimensions.								
9. COURSE OUTCOMES (CO): <i>After the successful course completion, learners will develop following attributes:</i>								
COURSE OUTCOME (CO)		ATTRIBUTES						
CO1		To know the importance of Urdu language, inculcate the interest in the children for Urdu language.						
CO2		To get knowledge about the skill of Urdu language (listening speaking, reading & writing)						
CO3		To develop knowledge about wright Pronunciation of urdu Language						
CO4		make children aware about the methods of Urdu teaching and its way of critical analysis.						
CO5		Students will be able to know about how to hold the pen for transcription						
10. Unit wise detailed content								
Unit-1	Number of lectures = 04	Title of the unit: Gaseous States						
Importance of Urdu language in school syllabus.Objectives of Urdu teaching.Methods of Urdu teaching.								
Unit-2	Number of lectures =04	Title of the unit: Colloidal State						
In view of effective and successful teaching inculcate interest in Urdu teaching, use TLM and different activities.Listening- meaning and its importance. Develop listening skills through story, conversation, songs and poems								
Unit-3	Number of lectures = 04	Title of the unit: Thermodynamics- I						
Speaking- meaning and its importance.Develop speaking skills through story, conversation, question answer and improve pronunciation.Reading-meaning and its importance.								
Unit-4	Number of lectures = 04	Title of the unit: Thermochemistry						
Develop reading skill through word recognition and to learn pronunciation, putting "airab" on the words, to read small paragraphs with understanding, poems and stories.								
Unit-5	Number of lectures = 04	Title of the unit: Phase Equilibrium						
Writing- meaning and its importance.Make the children aware how to hold the pen for transcription, structure of words, and different shape of words, to put "arab" on them and ask the children to write transcription, dictation, stories and poems.								
11. CO-PO mapping								
COs	Attribut es	PO1	PO 2	PO3	PO4	PO5	PO 6	PO7
CO 1	To know the importance of Urdu language, inculcate the interest in the children for Urdu language	2	2	1	2	2	1	
CO 2	To get knowledge about the skill of Urdu language (listening speaking, reading & writing)	2	1	1	2	2	1	
CO 3	To develop knowledge about wright Pronunciation of urdu Language	2	2	2	2	1		
CO 4	make children aware about the methods of Urdu teaching and its way of critical analysis.	2	2	1	1	2	1	
CO5	Students will be able to know about how to hold the pen for transcription	2	1	1	2	2	2	
3 Strong contribution, 2 Average contribution , 1 Low contribution								
12. Brief description of self learning / E-learning component								
Nil								

13. Books recommended:

Ansari, Akhtar, Ghazal aur Dars- e- Ghazal, Anjuman Taraqui-e- Urdu, Aligarh
Ansari, Akhtar, Studies in Language and Language Teaching, Friends Aligarh, 1962
Ahmad Hasan Tadrees on Urdu, Marathwadas Collage of Education, Aurangabad, 1973.
Saiyadin, K.G. Zindagi, Zaban aur Taleem, Anjuman Tariq-e- Urdu, Aligarh, 1971
Moinduddin Urdu Zaban ki Tadrees, Tarikhi-Urdu Bureau, New Delhi, 1983
Gurrey, P. Teachin Mother Tongue in Secondary Schools, Longmans London 1958.

1. Name of the Department: Education								
2. Course Name	SANSKRIT A			L	T	P		
3. Course Code	DED410			1	1	0		
4. Type of Course (use tick mark)				Core ()	DE (√)	FC ()		
5. Pre-requisite (if any)		6. Frequency (use tick marks)	Even ()	Odd (√)	Either Sem ()	Every Sem ()		
7. Total Number of Lectures, Tutorials, Practicals								
Lectures = 15			Tutorials = 10		Practical = Nil			
8. COURSE OBJECTIVES: The course is aimed to develop language proficiency and interest towards language among students and the skills in Sanskrit, which is necessary for grooming them into successful education graduate. The topics introduced will serve as basic tools for specialized studies in education field.								
9. COURSE OUTCOMES (CO): <i>After the successful course completion, learners will develop following attributes:</i>								
COURSE OUTCOME (CO)	ATTRIBUTES							
CO1	Recall the names of animals, birds and things around and pronounce the Sanskrit words correctly; define noun and gender and identify the cases and number in noun and pronoun in Sanskrit.							
CO2	Identify nouns, list types of pronouns, differentiate among types of gender and change the number of nouns and pronouns in Sanskrit language.							
CO3	Identify cases of nouns and pronouns, identify the uses of all cases and write all cases of nouns and pronouns according to their number.							
CO4	Identify verbs, tenses, and write cases of present, past and future tense according to person and number.							
CO5	Recite prayers, shloks and moral based sentences and understand numbers from 1-20 in Sanskrit.							
10. Unit wise detailed content								
Unit-1	Number of lectures	05						
<ul style="list-style-type: none"> Knowing the names of animals, birds and things around in Sanskrit language. आस-पास की वस्तुओं, पशु-पक्षियों के संस्कृत नाम का ज्ञान Translation of easy Sanskrit sentences into Hindi. सरल संस्कृत वाक्यों का हिंदी में अनुवाद 								
Unit-2	Number of lectures	05						
<ul style="list-style-type: none"> Knowledge of Noun, Gender and Number. संस्कृत भाषा में संज्ञा, सर्वनाम, लिंग व वचन का ज्ञान 								
Unit-3	Number of lectures	05						
<ul style="list-style-type: none"> Knowledge of all the cases in noun, pronoun and numbers संज्ञा एवं सर्वनाम शब्दों में सभी विभक्तियों तथा वचनों का ज्ञान 								
Unit-4	Number of lectures	05						
<ul style="list-style-type: none"> Use of present and past tense form of verb in tenses. संस्कृत में धातु रूप के अंतर्गत लट एवं लंग लकार का प्रयोग Use of I form, II form and III form of verb according to the Noun and Pronoun. संज्ञा एवं सर्वनाम शब्द के अनुरूप क्रिया के प्रथम, मध्यम एवं उत्तम पुरुषों का प्रयोग 								
Unit-5	Number of lectures	05						
<ul style="list-style-type: none"> Meaning and recitation of prayer, shloks and moral based sentences. वंदना, श्लोकों एवं नीतिपरक वाक्यों का अर्थज्ञान तथा सस्वर वाचन Numbers from 1 to 20 in Sanskrit एक से बीस तक की संस्कृत संख्याओं का ज्ञान 								
11. CO-PO mapping								
COs	Attributes	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	Recall the names of animals, birds and things around and pronounce the Sanskrit words correctly; define noun and gender and identify the cases and number in noun and pronoun in Sanskrit.	3	2	3	1	3	-	-
CO2	Identify nouns, list types of pronouns, differentiate among types of gender and change the number of nouns and pronouns in Sanskrit language.	3	2	3	1	3	-	-
CO3	Identify cases of nouns and pronouns, identify the uses of all cases and write all cases of nouns and pronouns according to their number.	3	2	3	1	3	-	-
CO4	Identify verbs, tenses, and write cases of present, past and future tense according to person and number.	3	2	3	1	3	-	-
CO5	Recite prayers, shloks and moral based sentences and understand numbers from 1-20 in Sanskrit.	3	2	3	1	3	-	-
3 Strong contribution, 2 Average contribution, 1 Low contribution								
12. Brief description of self learning / E-learning component								

13. Books recommended:

1. Pandey, R.N. (2004). Modern Methods of Teaching Sanskrit. Jaipur: ABD Publication.
2. Sethi, Urmila (2016). Sanskrit Shikshan. 21st century Publication.
3. Jain, Shudhiyatmak Prakash(2016). Sanskrit Shikshan. Agra: Rakhi Publication.
4. Singh, Renu (2017). Sanskrit Shikshan. Meerut: R Lall Book Depot.
5. Sharma Radha (2016). Sanskrit Shikshan. Agra: Agarwal Publication.
6. Sharma, Bharat Bhushan. Sanskrit Shikshan. Agra: Agarwal Publication.