

# GOVERNMENT POLYTECHNIC FOR WOMEN KANDAGHAT, DISTT. SOLAN (HP) - 173215

# DEPARTMENT OF APPLIED SCIENCES LESSON PLAN

Academic Year	2022-23
Semester	Ist
Subject Code	BS101
Subject Title	Mathematics-I
Name of Faculty	Reema Choudhary
Semester Start & End Dates	01.10.2022 - 20.01.2023

#### STUDY AND EVALUATION SCHEME

Sr. No.	Name of the	Т	DC	Pr	Credits		tern: ess	al ment	Ext	ernal	Asse	ssmer	nt	Total
	Subject	h	S			Th	Pr	Total	Th	Hrs	Pr	Hrs	Total	Marks
1	Mathematics-I	3	2	0	3	40	-	40	60	3	•	-	60	100

Day		Topic Details	Delivery Method
	Unit-1: Trigonometry		
Day 1		Concept of angles, measurement of angles in degrees, grades and radians and their conversion	Chalk & Talk
Day 2	angles in degrees, grades and radians and their conversion		Chalk & Talk
Day 3	Trigonometric Ratios	T-Ratios of Allied angles (without proof)	Chalk & Talk
Day 4		DCS	Chalk & Talk
Day 5		DCS	Chalk & Talk
Day 6	Trigonometric Ratios	T-Ratios of Allied angles (without proof)	Chalk & Talk
Day 7	Addition and Subtraction	Sum, difference formulae and their applications (without proof).	Chaik & Talk
Day 8	Addition and Subtraction	Sum, difference formulae and their applications (without proof).	Chalk & Talk
Day 9		DCS	Chalk & Talk
ay 10			Chalk & Talk
0ay 11	Multiplication	Droduct formula (T	Chalk & Talk

Day 1	2 Multiplication		
		Product formulae (Transformation of product to sum, difference and vice vers	Chalk & Ta
Day 13	3	DCS	
Day 14			Chalk & Ta
Day 15	Multiple and Sub-multiple	DCS	Chalk & Ta
	The und Odd-Multiple an	T-Ratios of multiple angles, sub-multiple angles (2A, 3A, A/2)	Chalk & Tai
Day 16	- Ciapilo	Sinx, Cosx	
Day 17			Chalk & Tal
Day 18	3	DCS	Chalk & Tal
Day 19		DCS	Chalk & Tal
nit-II :	Differential Calculus	1 <sup>st</sup> Class Test (30% syllabus)	Chalk & Tall
Day 20	Function	Definiti	
		Definition of function	Chalk & Talk
Day 21	Limit	Concept of limits	Chalk & Talk
Day22	Limit	Four standard limits	
		$x^n - a^n$ sing	Chalk & Talk
		$\lim_{x \to a} \frac{x^n - a^n}{x - a} \qquad \lim_{x \to 0} \frac{\sin x}{x}$	
Day23		DCS	-
Day24		DCS	Chalk & Talk
Day 25	Limit		Chalk & Talk
Day 26	Differentiation by definition	$\lim_{x \to 0} \left( \frac{a^x - 1}{x} \right),  \lim_{x \to 0} (1 + x)^{\frac{1}{x}}$	Chalk & Talk
Day 27	Differentiation by definition	$\sin x$ , $\cos x$	Chalk & Talk
Day28	Differentiation by definition	$\tan x$ , $e^x$ and $x^x$	Chalk & Talk
Day29		DCS	Chalk & Talk
Day 30	Differentiation	DCS	Chalk & Talk
	J. Horentiation	Differentiation of sum, product	Chalk & Talk
ay 31	Differentiation	and quotient of functions .	Chalk & Talk
ay 32	Differentiation	Differentiation of a function of function	Chalk & Talk
Day33		DCS	
ay 34		DCC	Chalk & Talk
	Differentiation	Differentiation of trigonometric for the	Chalk & Talk
ay 36	Differentiation	Odarithmic differentiation	Chalk & Talk Chalk & Talk
ay 37		DCS	Chalk & Talk
ay 37	A B	DCS	Chalk & Talk
	Applications	Maxima and minima	JIIIK & Talk
ay 39	Applications	Equations of tangent and normal to a	Chalk & Talk
ay 40	Applications	curve (for explicit function only)	- win
-	Aphications	( alculations of amelia	Chalk & Talk

Day 41		2nd Class Test (next 30 % syllabus)	Chalk & Falk
4	Unit-III : Algebra	i managan mana	THE SO PAIR
Day 42	Complex Number	Real and Image	
Day 43	Complex Number Complex Number	promitive)	Chalk & Talk
		Polar and Cartesian representation	Chalk & Talk
Day 44	Complex Number	of a complex number	
	1	and its conversion from one form to	Chalk & Talk
Day 45	Complex Number	other, conjugate of a complex number	
		and its conversion from one form to	Chalk & Talk
Day 46		other, conjugate of a complex number	
Day 47		DCS	Chalk & Talk
-	Complex Number	DCS	Chalk & Talk
, .0		modulus and amplitude of a complex	Chalk & Talk
Day 40	Complex Number	number.	NIBI 30 man.
Day 50	Compley Number	Addition, Subtraction, Multiplication	Chalk & Talk
Day 51	Complex N. 1	Addition, Subtraction, Multiplication	Chalk & Talk
Day 52	- mpicx number	and Division of a complex numbers	Chalk & Talk
Day 53		DCS DCS	Chalk & Talk
	1	DCS	And the second s
-u <sub>j</sub> 34	Complex Number	, De-moivre's theorem, its application.	Chalk & Talk
Day 55	Portial C		Chalk & Talk
_, 00	Partial fractions	Repeated linear factors; non-repeated	Challe 6 7
		in lear	Chalk & Talk
Jay 36	Partial fractions	Repeated linear factors: non-repeated	Ci :
Day 57		moul	Chalk & Talk
Day 58		DCS	Challe 9 7 "
Day 59		DCS	Chalk & Talk
Day 60		House Test ( 80% syllabus severed)	Chalk & Talk
	Permutation	value of P(n, r), C(n, r)	Chalk & Talk
Day 61	Permutations and Combinations	(ii, i).	Chalk & Talk
Day 01	Permutations and Combinations	Value of P(n, r), C(n, r	C:
-ay 02	Binomial theorm	Binomial theory (1.3)	Chalk & Talk
D		Binomial theorm (without proof) for positive	Chalk & Talk
Day 63		integral index (expansion without proof	
Day 64		DCS	Chalk & Talk
	Binomial theorm	DCS	
, 50		Binomial theorm (without proof) for positive	Chalk & Talk
)av 60	Rinomial #	integral index (expansion without proof	Chalk & Talk
-uy 00	Binomial theorm	Binomial theorm (without proof	
		Binomial theorm (without proof) for positive integral index (expansion without proof)	Chalk & Talk
		integral index (expansion without proof)	
)07: 6			
Day 67	Binomial theorm	First and	
		First and second binomial approximationwith	Challe o =
		applications to engineering problems.	Chalk & Talk
ay 68		- 5 P. ODIGI115.	
		DCS	
ay 69			Chalk & Tall
ay 70 B	Binomial theorm	DCS	Ct. 41
ay /0 P		First and second binomial approximationwith	-mun & Ial
ay 70 B		applications to engineering problems.	n Chalk & Tall

	Name of Book	Author Name	Publication
Prescribed	Elementary Engineering Mathematics	B. S. Grewal	Khanna Publisher
Books	Engineering Mathematics	C Dass Chawla	Asian Pubsher
	Engineering Mathematics	S. N. Iyegar	Vikas Publisher
Reference Books	Engineering Mathematics	Reena Garg	Khanna Publisher

Faculty<sup>29</sup> (Reema Choudhary)



#### Government Polytechnic for Women Kandaghat, District Solan H. P. 173215 Department of Applied Sciences & Humanities

#### LESSON PLAN

Academic Year	2022
Semester	14
Scheme	N-2022
Subject Code	BS- 103
Subject Title	Applied Physics-I
Name of Faculty	Mohan Negi, Lecturer (Applied Physics)
Semester Start & End Dates	01.10.2022 to 20.01.2023
Branch	Common to CE & ECE

#### Study and Evaluation Scheme:

	L	DCS				Internal Assessment		ent					Total
	- 43	200			Th.	Pr.	Total	Th.	Hrs.	Pr.	Hrs.	Total	
ed .	03	01	02	03	40	40	80	60	3	60	2	120	200
	d s-I	d 03 s-I	d 03 01	d 03 01 02 s-I	d 03 01 02 03	d 03 01 02 03 40	d 03 01 02 03 40 40	d 03 01 02 03 40 40 80	d 03 01 02 03 40 40 80 60	d 03 01 02 03 40 40 80 60 3	d 03 01 02 03 40 40 80 60 3 60	d 03 01 02 03 40 40 80 60 3 60 3	d 03 01 02 03 40 40 80 60 3 60 3 120

#### Course Objectives:

- > Imparting knowledge to the students
- > The student will be able to use physical principles and analysis in various fields of Engineering and Technology
- > The students will be able to apply the basics concepts and principles to solve engineering problems and to understand different technology based applications

Day	Topic of Discussion	Topic Details	Delivery Method
Unit-1	Physical world, Unit	ts and Measurements	
Day 1	Physical quantities	Some basics of Physics, Physical quantities Units - fundamental and derived units systems of units (FPS, CGS and SI units)	Chalk and Talk
Day 2	Dimensions and dimensional formulae	Dimensions and dimensional formulae of physical quantities	- Chalk and Talk
Day 3	Principle of homogeneity	Principle of homogeneity of dimensions, dimensional equations and their applications	Chalk and Talk
Day 4		DCS	Chalk and Talk
Day 5	of units and checking	Conversion of one system of units to other and checking of dimensional equations	Chalk and Talk
ay 6	Dimensional analysis	Derivation of simple equations and limitation of dimensional analysis	Chalk and Talk

•		The second secon
7 Errors	Error in measurements(systematic an	d Chalk and Talk
3	DCS	Chalk and Talk
Errors	Error estimation and significant figures	Chalk and Talk
Force and Motion		
<ol> <li>Scalar and Vector quantities, addition, subtraction, triangle</li> </ol>		f
Scalar and Vector	Scalar and Vector Product	Chalk and Talk
and the second s	application to inclined plane (Rectangular .components) and lawr	
		Chalk and Talk
Force, Momentum	Force, Momentum, Statement and derivation of conservation of linear momentum, its applications such as recoil of gun &rockets	
Impulse and Circular motion	Circular motion, definition of angular displacement, angular velocity, angular acceleration, frequency, time period.	
Relationship between some physical quantities	velocity, linear acceleration and angular	
	DCS	Chalk and Talk
CLASS TEST-1	30% of syllabus cov	ered
Centripetal and Centrifugal forces	Centripetal and Centrifugal forces with live examples, Expression and applications such as banking of roads and bending of cyclist	Chalk and Talk
Work, Power and En		
Work and Friction	Work: Concept and units, examples of zero work, positive work and negative	Chalk and Talk
Friction	Laws of limiting friction, coefficient of friction, methods for reducing friction	Chalk and Talk
	and plane surfaces and related	Chalk and Talk
		Chalk and Talk
Energy		Chalk and Talk
		Chalk and Talk
Energy I		halk and Talk
	Force and Motion  Scalar and Vector quantities, addition, subtraction ,triangle and parallelogram later and parallelogram later and parallelogram later and parallelogram later and product and parallelogram later and product are resolution of a Vector Product and Circular motion  Relationship between some physical quantities  CLASS TEST-1  Centripetal and Centrifugal forces  Work, Power and En Work and Friction  Friction  Work	Force and Motion  Scalar and Vector quantities – examples representation of vector, types of vectors. Addition and Subtraction of vectors. Addition and Parallelogram law vectors. Addition and Parallelogram law vectors. Addition and Vector Product  Product  Resolution of a Vector and its application to inclined plane for commentum, its applications such as placetions. Such as placetions of vectors and its applications and applications such as banking of angular velocity, linear acceleration and angular acceleration (related numerical)  DCS  CLASS TEST-1  30% of syllabus cov  Centripetal and Centripetal and Centrifugal forces with live examples, Expression and applications such as banking of roads and bending of cyclist  Work, Power and Energy  Work and Friction  Work: Concept and units, examples of zero work, positive work and negative work Friction: concept, types  Friction  Laws of limiting friction, coefficient of friction, methods for reducing friction and its engineering applications  Work  Work done in moving an object on horizontal and inclined plane for rough and plane surfaces and related applications  DCS  Energy  Energy and its units, kinetic energy with Ceamples and derivations  Mechanical energy, cons

Day 27		DCS	Chalk and Talk
Day 28	Power		
		Power and its units, power and work relationship, calculation of power	Chalk and Talk
Unit-4	Rotational Motion	(numerical problems)	
Day 29	Translational and	Translational and rotational motions	Chalk and Talk
	rotational motion	with examples	Cliain and Tain
Day 30	Torque and angular momentum	Definition of torque and angular momentum and their examples	Chalk and Talk
Day 31	Angular momentum	Conservation of angular momentum (quantitative) and its applications	Chalk and Talk
Day 32		DCS	Chalk and Talk
Day 33	Moment of inertia	Moment of inertia and its physical	Chalk and Talk
Day 34	Radius of gyration	Radius of gyration for rigid body	Chalk and Talk
Day 35	Theorems of parallel and perpendicular axes	Theorems of parallel and perpendicular axes (statements only)	Chalk and Talk
Day 36		Next 30% of syllabus	covered
Day 38	Moment of inertia	Moment of inertia of rod, disc, ring and sphere (hollow and solid): (Formulae only)	Chalk and Talk
Unit-5	Properties of Matter		
Day 39		Elasticity: Definition of stress and strain	Chalk and Talk
Day 40	Modulii of elasticity	Different types of modulii of elasticity Hooke's law, significance of stress strain curve	Chalk and Talk
Day 41	Pressure	Pressure: definition, units, atmospheric pressure, gauge pressure, absolut pressure	
Day 42		DCS	Chalk and Tall
Day 43	Fortin's Barometer and Surface tension	Fortin's Barometer and its applications Surface tension: concept, units	Chalk and Talk
Day 44	Cohesive and adhesive forces	Cohesive and adhesive forces, angle of	Chalk and Tall
Day 45	Surface tension	contact, Ascent Formula (No derivation Applications of surface tension, effect of temperature and impurity on surfactension	fChalk and Tal
Day 46		DCS	Cl. II. I m I
Day 47	House Test		Chalk and Tal
Unit-6	Heat and Thermome	80 % of Syllabus c	overed
Day 48	Heat and Temperature		Chalk and Ta
Day 49	Scales of temperature	convection and radiation with examples Scales of temperature and the	
Day 50	Types of Thermometer	relationship	
		thermometer, bimetallic thérmometer and their uses	er)
Day 51		DCS	Chalk and Ta
Day 52	Types of Thermometer		

Day 53	Expansions solids, liquids and gases	Expansion of solids, liquids and gases, coefficient of linear	Chalk and Talk
Day 54	Surface and Cubical Expansions		Chalk and Talk
Day 55	Expansions and thermal conductivity	Relation between coefficient of linear, surface and cubical expansions, Coefficient of thermal conductivity	Chalk and Talk
Day 56			Chalk and Talk

	Name of Book	Author Name	Publication
	Concepts of Physics	H. C. Verma	Bharati Bhawan
Prescribed Books	Principles of Physics	Jearl Walker, David Halliday and Robert Resnic	Wiley
	Text book of Physics for Class XII	A.W. Joshi	NCERT

Mother Night Faculty 29. 9. 22

HOD



# GOVERNMENT POLYTECHNIC FOR WOMEN RANDAGHAT, DISTT. SOLAN (HP) . 173215

# DEPARTMENT OF APPLIED SCIENCES

# LESSON PLAN

Academic Year	2022-23
Semester	Ist
Subject Code	N2022 BS105
Subject Title	Applied Chemistry
Name of Faculty	Rajender Kumar
Semester Start & End Dates	01.10.2022-20.01.2023

# STUDY AND EVALUATION SCHEME

						Internal External Assessmen			:				
Sr.	Name of the Subject		P	DCS	·.	Th A	Pr	nent Total	Th	Hrs	Pr	Hrs	Total
No.		L	P	DOS			40	80	60	3	60	3	120
3.2	Applied Chemistry	3	2	1		40	40						

Day	Unit & Topic of Discussion	Topic Details	Delivery Method
	Unit-1	: Atomic Structure	Chalk & Talk
Day 1		Fundamental particles-electrons, protons and neutrons ( Definitions)	Chair & Tair
Day 2		Bohr's Theory, successes and limitations of atomic theory (expression of energy and radius to be omitted),	Chalk & Talk & PPT
Day 3	Atomic Structure	Hydrogen spectrum lanation based on Bohr's model of atom	Chalk & Talk
Day 4	Atomic Structure	DCS	Chalk & Talk
	Atomic Structure	Heisenberg uncertainty principle, Quantum numbers orbital concept,	Chalk & Talk

			alk & Talk
and the second	n de la companya del companya de la companya del companya de la companya del la companya de la c	Shapes of s, p orbitals difference between orbit Ch	
Day 6	Atomic Structure	and orbital, Pauli's exclusion principle	-
-40	Atomic structure	Hund's rule of maximum multiplicity, Aufbau rule, Ch	alk & Talk
		trad's rule of maximum multiplicity, Aufbau rule,	
Day 7	Atomic Structure	electronic configuration(Z=1 to	
	Atomic Sci acta	electronic configuration,	
		C	nalk & Talk
		DCS	
Day 8	Atomic Structure		
-	- Clari	mical Bonding and Solutions	halk & Talk
	Unit-2: Che	chemical bonding – cause of chemical	1,01.5
Day 9	Chemical Bonding	11	halk & Talk
		types of bonds: ionic bonding (NaCl	no
Day 10	Chemical Bonding	1-1	halk & Talk
		Lewis concept of covalent bond (H2, F2,	
Day 11	Chemical Bonding	HF).	halk & Talk
		DCS	
Day 12	Chemical Bonding		halk & Talk
	or i Danding	Electronegativity, Difference between sigma and	
Day 13	Chemical Bonding	pie bond	
		ple bond	
		Electron sea model of metallic bond	
Day 14	4 Solutions	Electron sea model of Metalife Boxe	
		Idea of solution, solute and solvent with examples	
		Methods to express the concentration of solution-	
Pay 15 Solutions		molarity (M), molality (m) and normality (N) ),	
		molality, mass percentage (Numerical	
	excluded	the bright by	
		DCS	
Day 1	6 Solutions	DC3	
	77 11 0 771 - 4-	o Chemistry and Corrosion	
		Electronic concept of oxidation, reduction and	Chalk & Talk
Day 1	7 Electro Chemistry		3
		redox reactions	
		Definition of terms: electrolytes, non-electrolytes	Chalk & Talk
Day 1	8 Electro Chemistry		
		with suitable examples,	
		- I de la	Chalk & Talk
Day 1	9 Electro Chemistry	Faradays laws of electrolysis and simple	Chair & Tair
		numerical problems	
			Challe 0. Talle
Day 2	O CLASS TEST-1	lst 30 % syllabus is Covered	Chalk & Talk
			Chalk & Talk
Day 2	Electro Chemistry	Application of redox reactions in electrochemical	
		cells – • Primary cells – dry cell, • Secondary cell	
		commercially used lead acid storage battery3	
		Industrial application of Electronysis.	
	•	industrial application of Electronia 1313.	
Day 2	22 Corrosion	Introduction to Corrosion of metals –	Chalk & Talk
, -			
Day	23 Corrosion	definition, types of corrosion	Challe 9 Tr-11
Day 2	Corresion	corrosion (electrochemical), H2	Chalk & Talk
		liberation and O2 absorption	

-		mechanism of electrochemical corrosion	
Day	24 Corresion	DCS	Chalk & Talk
Day	25 Corresion	Internal corrosion preventive measures — Purification, alloying and heat treatmen External corrosion preventive measures: metal (anodic, cathodic) coatings.	Chalk & Talk
	Unit-		
	26 1Natural occurrence of metals —	minerals, ores of iron, aluminium and copper, gangue (matrix), flux, slag,	Chalk & Talk
Day 2	7 Engineering Materials	metallurgy – brief account of general principles or metallurgy(a). Crushing and grinding	Chalk & Talk
Day 2	8 Engineering Materials	DCS	Chalk & Talk
Day 2	9 Engineering Materials	Concentration of ore, Levigation, Froth flotation, Magnetic separation	Chalk & Talk
	Engineering Materials	Extraction( Roasting and calcinations & smelting) (d) Refining	Chalk & Talk
Day 3	Engineering Materials	Extraction of - iron from haematite ore using blast furnace along with reactions.	Chalk & Talk a
Day 32	Engineering Materials	DCS	Chalk & Talk and Ppt
Day 33	Engineering Materials	Alloys – definition, purposes of alloying, ferrous alloys (Invar steel) and non-ferrous(Simple Brass & Bronze, Nichrome, Duralumin, Magnelium) with suitable examples, properties and applications	Chalk & Talk
		Unit-5: WATER	
Oay 34	WATER	Classification of soft and hard water based on soap test, salts causing water hardness	Chalk & Talk
	WATER	units of hardness(mg/L and ppm) and simple numerical on water hardness	Chalk & Talk
ay 36	WATER	DCS	Chalk & Talk
ay 37	WATER	Cause of poor lathering of soap in hard water, 5.2  Problems caused by the use of hard water in boiler (scale and sludge, foaming and priming, corrosion.)	

Day 30 WATER	homes notherning rechniques, zentire process it).	Chalk & Fall
	Monicipal water treatment (in brief only) - sedimentation, congulation, filtration, sterilization	,
Day 40 WATER	Indian standard specification of drinking water.	Chalk & Talk
Day 41 WATER	OCS	Chalk & Talk
	Unit-6: FUELS	Constant of the Constant of th
Day 42 PUELS	Definition of fuel and combustion of fuel, classification of fuels	Chalk & Talk
Day 43 FUELS	calorific values (HCV and LCV), calculation of HCV and LCV using Dulong's formula. Characteristics or good fuel	Chalk & Talk
Day 44 FUELS	Petrol and diesel - fuel rating (octane and cetane numbers. Chemical composition, calorific values and applications of LPG, CNG, water gas, producer gas and biogas.	Chalk & Talk
Day 45 FUELS	DCS	Chalk & Talk
Day 46 FUELS	80% syllabus is covered	Chalk & Talk
	Unit-7: IUBRICATION	201
Pay 47: IUBRICATION	Function and characteristic properties of good lubricant, classification with examples	Chalk & Talk
Pay 48: IUBRICATION	Lubrication mechanism – hydrodynamic and boundary lubrication	Chalk & Talk
ay 47 : IUBRICATION	DCS	Chalk & Talk
ay 49: IUBRICATION	Physical properties (viscosity and viscosity index, oiliness	Chalk & Talk
ay 50 : IUBRICATION	flash and fire point, cloud and pour point only)	Chalk & Talk
ay 51 : IUBRICATION	chemical properties (coke number, total acid number, saponification value) of lubricants.	Chalk & Talk
ay 52 : IUBRICATION	DCS	Chalk & Talk
	Unit-8: Polymers	
y 53 : Polymers	Monomer, homo and co polymers , degree of	Chalk & Talk

		polymerization	
Day 54	: Polymers	simple reactions involved in preparation and their application of thermoplastics and thermosetting plastics	Chalk & Talk
Day 55	: Polymers	Vulcanization of rubber and properties of vulcanised rubber.	Chalk & Talk
Day 56	Polymers	DCS	Chalk & Talk

	Name of Book	Author Name	Publication
Prescribed Books	Modern ABC of Chemistry	Dr.S.P. Jauhaar	Modern Publication
	Engineering Chemistry	PC Jain & Monika Jain	Dhanpat rai publications
Reference	A Text book of Engineering Chemistry	P.K. Vij & shiksha vij	Katsons books S.K. kataria sonsPublication
Books	A Text book of Engineering Chemistry	, OG palana	Mc grow Hill Education Publishers

Faculty

HOD 1122



# GOVERNMENT POLYTECHNIC (W) KANDAGHAT, DISTT. SOLAN (HP) - 173215

# DEPARTMENT OF APPLIED SCIENCES & HUMANITIES

#### **LESSON PLAN**

Academic Year	2022-23
Semester	1 <sup>st</sup>
Course Code	ES101
Subject Title	ENGINEERING GRAPHICS
Name of Faculty	ER. HITESH KASHYAP
Semester Start & End Dates	01/10/22 to 20/01/23
Number of Credits	1.5 (L: 0,DCS:1, P: 3)
Prerequisites	NIL
Course Category	ES

# STUDY AND EVALUATION SCHEME (SEMESTER- I GROUP- A)

Code No.	Name of the Subject	L	P	DCS	Total Hrs/ Week	Credits	Internal Assessment			xternal ssessm ent	Total Marks
					a con		Th	Pr	Th.	Hrs	
ES101	Engineering Graphics	0	3	1	4	1.5	-	40	60	3	100

Discussion	Day	Unit & Topic of Discussion	Topic Details	Delivery Method
------------	-----	-------------------------------	---------------	-----------------

Day 1	Introduction & Types of lines	Drawing Instruments and supporting materials: method to use them with applications. Convention of lines and their applications.
Day 2		Drawing Instruments and supporting materials: method to use them with applications. Convention of lines and their applications.
Day 3	Free Hand & Instrument Letter Writing	Write alphabets and numerical in 7:4 scale (Vertical only) (do this exercise in sketch book).
Day 4	DCS	Write alphabets and numerical in 7:4 scale (Vertical only) (do this exercise in sketch book).
Day 5	Dimension Techniques	Dimensioning techniques as per SP-46:2003  – types and applications of chain, parallel and coordinate dimensioning.
Day 6	Scales	Representative Fractions – reduced, enlarged and full size scales; Engineering Scales such as plain and diagonal scale.
Day 7		Representative Fractions – reduced, enlarged and full size scales; Engineering Scales such as plain and diagonal scale.
Day 8	100	Representative Fractions – reduced, enlarged and full size scales; Engineering Scales such as plain and diagonal scale.
nit 2. Or	Day 9 thographic projections	CLASS TEST- I (First week of November)
Duv IU I		Introduction of projections-orthographic, perspective, isometric and oblique: concept and applications. (No question to be asked in examination). Introduction to orthographic projection, First angle and Third angle method, their symbols. Conversion of pictorial view into Orthographic Views – object containing plain surfaces, slanting surfaces, slots, ribs, cylindrical surfaces. (use First Angle Projection method only)

Day 11	Introduction to		
	orthographic projection	Introduction of projections-orthographic, perspective, isometric and oblique: concept and applications. (No question to be asked in examination).  Introduction to orthographic projection, First angle and Third angle method, their symbols. Conversion of pictorial view into Orthographic Views – object containing plain surfaces, slanting surfaces, slots, ribs, cylindrical surfaces. (use First Angle Projection method only)	
Day 12		Introduction of projections-orthographic, perspective, isometric and oblique: concept and applications. (No question to be asked in examination). Introduction to orthographic projection, First angle and Third angle method, their symbols. Conversion of pictorial view into Orthographic Views – object containing plain surfaces, slanting surfaces, slots, ribs, cylindrical surfaces. (use First Angle Projection method only)	
Day 13	DCS	Introduction of projections-orthographic, perspective, isometric and oblique: concept and applications. (No question to be asked in examination). Introduction to orthographic projection, First angle and Third angle method, their symbols. Conversion of pictorial view into Orthographic Views – object containing plain surfaces, slanting surfaces, slots, ribs, cylindrical surfaces. (use First Angle Projection method only)	
Unit 3.	Isometric Projections	projection method only)	
Day 14		Introduction to isometric projections. Isometric scale and Natural scale. Isometric view and isometric projection. Illustrative problems related to objects containing lines, circles and arcs shape only. Conversion of orthographic views into isometric view/projection.	
Day 1	5	Introduction to isometric projections. Isometric scale and Natural scale. Isometric view and isometric projection. Illustrative problems related to objects containing lines, circles and arcs shape only. Conversion of orthographic views into isometric view/projection.	
Day 1	6	Introduction to isometric projections. Isometric scale and Natural scale. Isometric view and isometric projection. Illustrative problems related to objects containing lines, circles and arcs shape only.	

	1010
Angeres Commencement and Annual Commencement and Annua	of orthographic views into
	Conversion of orthographic views into isometric view/projection.
Antonia in the second second second	isometric view/projections. Introduction to isometric projections. Introduction to isometric scale. Isometric
Day 17	Introduction to isometric projections.  Isometric view projections.  Introduction to isometric projection.  Isometric view projections.
	Isometric scale and Natural
	view and isometric projection.  Illustrative problems related to objects containing lines, circles and arcs shape only.
	containing lines, circles and arcs shape
	Conversion of orthographic views into
	isometric view/projection.
	Day 18 CLASS TEST- II (2 <sup>nd</sup> Week of December)
Unit 4. Free	e Hand Sketches of engineering elements
Day 19	Free hand sketches of machine elements:
	Thread profiles nuts bolts, studs, set
	screws, washer, Locking arrangements. (1 or
	branches other than mechanical
	Engineering, the teacher should select
1, 2, 2	branch specific elements for free hand
	sketching).
	Free hand sketches of orthographic view (on
7884	squared graph paper) and isometric view (on
	isometric grid paper).
Day 20	Free hand sketches of machine elements:
	Thread profiles, nuts, bolts, studs, set
	screws, washer, Locking arrangements. (For
	branches other than mechanical
	Engineering the teacher should solvet
	Engineering, the teacher should select
	branch specific elements for free hand sketching).
	Free hand sketches of orthographics
	Free hand sketches of orthographic view (on
	squared graph paper) and isometric view (on
Day 21 DCS	isometric grid paper).
,	Free hand sketches of machine elements:
	Thread profiles, nuts, bolts, studs, set
	screws, washer, Locking arrangements. (For
	Midificies office than mechanical
	Engineering, the teacher should select
	branch specific elements for free hand sketching).
	Free hand skatch as at all
	Free hand sketches of orthographic view (on
	equality graph paper) and isometric view (on
nit 5. Compu	isometric grid paper).
ay 22	
ay 22	Computer Aided Drafting: concept.
	raidware and various CAD software
	available.
	System requirements and Understanding the
	Components of AutoCAD software window:
	I TO MAIL SIGNICIANT TOOL NOT MADE IN .
and the second s	
	properties tool bar, menu bar, object properties tool bar, draw tool bar, modify tool bar, cursor cross hair. Command window,

38	
	status bar, drawing area, UCS icon. File features: New file, Saving the file, opening an existing drawing file, Creating templates, Quit. Setting up new drawing: Units, Limits, Grid, Snap. Undoing and redoing action.
Jnit 6. Computer aided d	rafting Arc.
Day 23	Draw basic entities like Line, Circle, Arc, Polygon, Ellipse, Rectangle, Multiline, Polygon, Ellipse, Rectangle, Absolute line. Method of Specifying points: Absolute line. Method of Specifying points: Absolute line. Cartesian and Polar coordinates, Modify and edit commands like coordinates. Dimensioning: Linear, Horizontal Vertical, Dimensioning: Linear, Horizontal Vertical, Dimensions. Text: Dim scale variable. Editing dimensions. Text: Dim scale variable. Editing dimensions. Single line Text, Multiline text.
	Diameter, Nadishla Editing dimension
	LIQUICE TEST CIALIDAY
Day 24	Draw basic entities like Line, Circle, 7 to 19 Polygon, Ellipse, Rectangle, Multiline, Poly Polygon, Ellipse, Rectangle, Multiline, Absolute line. Method of Specifying points: Absolute coordinates, Relative Cartesian and Polar coordinates, Relative Cartesian and Polar coordinates. Modify and edit commands like coordinates. Modify and edit commands like trim, extend, delete, copy, offset, array,
	Dimensioning: Linear, Horizontal Vertical, Dimensioning: Linear, Horizontal Vertical, Aligned, Rotated Baseline, Continuous, Aligned, Rotated Baseline, Continuous, Diameter, Radius, And Angular Dimensions. Dim scale variable. Editing dimensions. Text:
	Single line Text, Water Line, Circle, Arc,
Day 25 DCS	Polygon, Ellipse, Rectarge, Absolute line. Method of Specifying points: Absolute coordinates, Relative Cartesian and Polar coordinates. Modify and edit commands like trim, extend, delete, copy, offset, array,
	block, layers. Dimensioning: Linear, Horizontal Vertical, Aligned, Rotated Baseline, Continuous, Diameter, Radius, And Angular Dimensions. Dim scale variable. Editing dimensions. Text: Single line Text, Multiline text.
Day 26	Draw basic entities like Line, Circle, Arc, Polygon, Ellipse, Rectangle, Multiline, Poly line. Method of Specifying points: Absolute coordinates, Relative Cartesian and Polar coordinates. Modify and edit commands like trim, extend, delete, copy, offset, array, block, layers.
	coordinates, Relative Cartesian and Polar coordinates. Modify and edit commands like trim, extend, delete, copy, offset, array,

	Diameter, Radius, And Angular Dimensions.  Dim scale variable. Editing dimensions. Text:  Single line Text, Multiline text.	
Day 27	Draw basic entities like Line, Circle, Arc, Polygon, Ellipse, Rectangle, Multiline, Poly line. Method of Specifying points: Absolute coordinates, Relative Cartesian and Polar coordinates. Modify and edit commands like trim, extend, delete, copy, offset, array, block, layers.  Dimensioning: Linear, Horizontal Vertical, Aligned, Rotated Baseline, Continuous, Diameter, Radius, And Angular Dimensions.	
Day 28 DCS	Dim scale variable. Editing dimensions. Text: Single line Text, Multiline text.  Draw basic entities like Line, Circle, Arc, Polygon, Ellipse, Rectangle, Multiline, Poly line. Method of Specifying points: Absolute coordinates, Relative Cartesian and Polar coordinates. Modify and edit commands like trim, extend, delete, copy, offset, array, block, layers. Dimensioning: Linear, Horizontal Vertical, Aligned, Rotated Baseline, Continuous,	

(Hitesh Kashyap) 29.09.2022

HOD (ASH)
(Dr. Ruchika Chauhan)



### GOVERNMENT POLYTECHNIC FOR WOMEN KANDAGHAT, DISTT. SOLAN (HP) - 173215

# DEPARTMENT OF APPLIED SCIENCES & HUMANITIES

Common to Eltx & Comm. Engg. & Computer Engg.

### LESSON PLAN

Academic Year	2022-23
Semester	I
Subject Code	HS101
SubjectTitle	Communication Skills in English
Name of Faculty	Ms. Nisha Kumari , Lecturer in English
Number of Credits	2(L: 2,DCS: 1, P: 0)
Semester Start & End Dates	01.10.2022-20.01.2023

### STUDY AND EVALUATION SCHEME

Sr. No.	Name of the Subject	Th	Pr	DCS	Internal Assessment			External Assessment					Total Mark
					Th	Pr	Total	Th	Hrs	Pr	Hrs	Total	
1.	Communication Skills in English	2	2	1	40	40	80	60	3	60	3	120	200

Day	Unit & Topic of Discussion	Topic Details	Delivery Method								
	Unit-1 :Com	Unit-1 : Communication: Theory and Practice									
Day 1	Previous kn. 1	, and a second									
	Previous knowledge Testing, Discussion of Syllabus. 1. Basics of Communication	(a)Introduction, meaning and definition, process of communication etc.	Chalk & Talk								
Day 2	Types of communication:	formal and informal, verbal, non-verbal and	Chalk & Talk								
Day 3	DCS ON THE TOPICS	N. S. Proce & A. Company									
	DCS ON THE TOPICS COVERED IN THE PREVIOUS 2 CLASSES										
David.											
Day 4	Communication: Theory and D										
	Communication: Theory and Practice	Barriers to effective communication.	Chalk & Talk								
ay 5	7Cs for effective communication										
	Communication	(a)considerate, concrete, concise, clear,	Chalk& Talk								
	100	complete, correct, courteous	Charact Talk								
Day 6											
D =	DCS ON THE TOPICS COVERED IN Art of Effective communication										
Day 7	Art of Effective communication	THE PREVIOUS 2 CLASSES									
	Communication	(b) A. Choosing words B. Voice C.									
		Modulation D of	Chalk& Talk								
		Simplification of words	Charact Talk								
	Technical Communication.	words									
	is venilled to diffilling of the										
	communication.										
D. C	Unit-2 Soft Skil	lls for Professional Excellence									
Day 8	Unit-2 Soft Skil	Ils for Professional Excellence									
Day 8		Introduction: Soft Skills and Hard Skills.	Chalk & Talk								
	Unit-2 Soft Skill Soft Skills for Professional Excellence	<ol> <li>Introduction: Soft Skills and Hard Skills.</li> <li>Importance of soft skills</li> </ol>									
Day 9	Unit-2 Soft Skill Soft Skills for Professional Excellence	<ol> <li>Introduction: Soft Skills and Hard Skills.</li> <li>Importance of soft skills</li> </ol>									
Day 9	Unit-2 Soft Skill Soft Skills for Professional Excellence	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES									
Day 9	Unit-2 Soft Skill Soft Skills for Professional Excellence	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self analysis									
Day 9	Unit-2 Soft Skill Soft Skills for Professional Excellence	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self analysis	S								
Day 9 Day 10.	Unit-2 Soft Skill Soft Skills for Professional Excellence  DCS ON THE TOPICS Life skills:	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES	S								
Day 9 Day 10.	Unit-2 Soft Skill Soft Skills for Professional Excellence	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc	S Chalk & Talk								
Day 9 Day 10. Day 11.	Unit-2 Soft Skill Soft Skills for Professional Excellence  DCS ON THE TOPICS Life skills:	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.	S								
Day 9 Day 10.  Day 11.  Day 12.	Unit-2 Soft Skill Soft Skills for Professional Excellence  DCS ON THE TOPICS Life skills:  DCS ON THE TOPICS COVERED IN	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.  THE PREVIOUS 2 CLASSES	S Chalk & Talk								
Day 9 Day 10.	Unit-2 Soft Skill Soft Skills for Professional Excellence  DCS ON THE TOPICS Life skills:  DCS ON THE TOPICS COVERED IN	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.  THE PREVIOUS 2 CLASSES	S Chalk & Talk								
Day 9 Day 10.  Day 11.  Day 12.  Day 13	Unit-2 Soft Skill Soft Skills for Professional Excellence  DCS ON THE TOPICS Life skills:  DCS ON THE TOPICS COVERED IN CLASS TEST I	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.  THE PREVIOUS 2 CLASSES  ON 30% OF SYLLABUS COVERED	S Chalk & Talk Chalk & Talk								
Day 9 Day 10.  Day 11.  Day 12.  Day 13	Unit-2 Soft Skill Soft Skills for Professional Excellence  DCS ON THE TOPICS Life skills:  DCS ON THE TOPICS COVERED IN CLASS TEST I	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.  THE PREVIOUS 2 CLASSES	S Chalk & Talk Chalk & Talk								
Day 9 Day 10.  Day 11.  Day 12.  Day 13  Unit-3:	Unit-2 Soft Skill Soft Skills for Professional Excellence  DCS ON THE TOPICS Life skills:  DCS ON THE TOPICS COVERED IN CLASS TEST I  Reading Comprehension, vocabulary enhar	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.  THE PREVIOUS 2 CLASSES  ON 30% OF SYLLABUS COVERED  Incement and grammar exercises based on reading texts:	S Chalk & Talk Chalk & Talk								
Day 9 Day 10.  Day 11.  Day 12.  Day 13  Unit-3:	Unit-2 Soft Skill Soft Skills for Professional Excellence  DCS ON THE TOPICS Life skills:  DCS ON THE TOPICS COVERED IN CLASS TEST I	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.  THE PREVIOUS 2 CLASSES  ON 30% OF SYLLABUS COVERED  Incement and grammar exercises based on reading texts:  1. "The Gift of the Magi" by O. Henry.	S Chalk & Talk Chalk & Talk								
Day 9 Day 10.  Day 11.  Day 12.  Day 13  Unit-3:	Unit-2 Soft Skill Soft Skills for Professional Excellence  DCS ON THE TOPICS Life skills:  DCS ON THE TOPICS COVERED IN CLASS TEST I  Reading Comprehension, vocabulary enhar	1. Introduction: Soft Skills and Hard Skills. 2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSES  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.  THE PREVIOUS 2 CLASSES  ON 30% OF SYLLABUS COVERED  Incement and grammar exercises based on reading texts:	Chalk & Talk Chalk & Talk g of the following								

M	. Short Stori	
7	Short Stories	Chalk & Ta
7		1. "Uncle Podger Hangs a Picture"
		Jerome K. Jerome
		2. Text Reading, Vocabulary and
2		Grammmar exercises
Day 16		Grammmar exercises
	DCS ON THI	E TOPICS COVERED IN THE PREVIOUS 2 CLASSES
Day 1'	Section-2 Poetry	Cartina 2 Doctor
•	Section-2 Poetry	1 "Night of the Scorpion" by Nissim Ezekiel Chalk & Ta
		2. Text Reading, Vocabulary and Grammar
		exercises
Day 18	Poetry	1. "Stopping by Woods on a Snowy Chalk & Tal
		1. "Stopping by Woods on a Showy Evening" by Robert Frost
		2. Text Reading, Vocabulary and
		2. Text Reading, vocabulary and
Day 19		Grammmar exercises
-J 15		AND IN THE PREVIOUS 2 CLASSES
)av 20	Poetry	CRED IN THE PREVIOUS 2 CLASSES  Chalk & Tall
Jay 20	Poetry	. 1. "Where the Mind is Without Fear" by
		Rabindranath Tagore
		2.Text Reading, Vocabulary and Grammar
		exercises
		Chalk & Talk
Day 21	Poetry	Central Idea of three poems
Day 22	DCS ON THE T	OPICS COVERED IN THE PREVIOUS 2 CLASSES
Day 23	CLASS TEST II FRO	M NEXT 30% OF SYLLABUS COVERED
1		Unit 4 Professional Writing
24	5 0:	1. The art of précis writing.  Chalk & Talk
Jay 24	Drafting	1. The art of proofs withing.
ov 25	Drafting	2. Letters: business and personal Chalk & Talk
ay 25.	Diatting	
ay 26		
, <b></b> .	DCS ON THE TOPICS COVER	RED IN THE PREVIOUS 2 CLASSES
	Drafting	Drafting e-mail, notices Chalk & Talk
u, =.		CI II 0 T.II
ay 28.	Drafting	Agenda and its essential characteristics. Chalk & Talk
		Minutes of a meeting etc.
y 29.	DCS ON THE TOPICS COVER	ED IN THE PREVIOUS 2 CLASSES
y 30.	НО	USE TEST FROM 80% OF SYLLABUS
,		Unit-5 Vocabulary and Grammar
y 31 1	. Glossary of administrative terms	(English and Hindi). One-word substitution, Chalk & Talk
7 2 1		Idioms and phrases etc.
, ,,		fullonis and phrases etc.

ay 32 Pa	arts of speech,			Chalk & Tal	
Day 33.		Noun, Pronoun, Adjective		Chair of 1	
	CS ON THE TOPICS COVEREI	D IN THE PREVIOUS 2 CLAS	SSES	Chalk & Tall	
Day 35 Cr	speech,	rid veros, conjunt	reposition,		
Day 35 GR	RAMMAR	Interjections Tenses Rules		Chalk & Tall	
Day 36.	CS ON THE TOPICS COVERED	TO THE PREVIOUS 2 CLAS	SSES		
Day 37 GR	RAMMAR	Tenses Rules and Punctuat		Chalk & Talk	
Day 38. Day	y 39.	Active and passive voice		Chalk & Talk	
Day 39. DC	CS ON THE TOPICS COVERED	IN THE PREVIOUS 2 CLAS	SES		
	Name of Book	Author Name	Publication		
	Oxford Dictionary	Thomson and Martinet.	Oxford Un	iversity Press	
References	Roget's Thesaurus of English Words and Phrases	Peter Mark Roget	Longmans, &Co./Dell I Co., Inc.	Green Publishing	
	Collin's English Dictionary	William Collins	Harper Col	lins	
	Practical English Usage	Michael Swan	Oxford Univ	versity Press	
	A Practical English Grammar	Thomson and Martinet.	Oxford Univ	versity Press	
Prescribed Books	Essentials of Business Communication	Rajender Pal and J.S.Korlahalli	Sultan Cha	nd and Sons	
	Self Instruction in English Grammar	Dr. K.S. Joseph	Anmol Publi	cation	

Faculty

(Miss Dissed Keemsel)

HOD 31/1/92

(DR. RUCHIKA CHAUHAR)



### GOVERNMENT POLYTECHNIC FOR WOMEN KANDAGHAT, DISTT. SOLAN (HP) - 173215

# DEPARTMENT OF APPLIED SCIENCES & HUMANITIES

Common to Eltx & Comm. Engg. & Computer Engg.

#### **LESSON PLAN**

Academic Year	2022-23
Semester	I
Subject Code	HS101
SubjectTitle	Communication Skills in English
Name of Faculty	Dr. Ruchika Chauhan ,HoD, Applied Sciences & Humanities
Number of Credits	2(L: 2,DCS: 1, P: 0)
Semester Start & End Dates	01.10.2022-20.01.2023

### STUDY AND EVALUATION SCHEME

Sr. No.	Name of the Subject		Pr	DCS	Internal Assessment			External Assessment					Total Mark
				Th	Pr	Total	Th	Hrs	Pr	Hrs	Total		
1.	Communication Skills in English	2	2	1	40	40	80	60	3	60	3	120	200

Day	Unit & Topic of Discussion	Topic Details	Delivery Method			
	Unit-1 :Con	nmunication: Theory and Practice	1,20,110			
Day 1	Previous knowledge Testing, Discussion of Syllabus. 1. Basics of Communication					
Day 2	Types of communication:	formal and informal, verbal, non-verbal and written	Chalk & Talk			
Day 3	DCS ON THE TOPICS COVERED IN THE PREVIOUS 2 CLASSES					
Day 4	Communication: Theory and Practice	Barriers to effective communication.	Chalk & Talk			
Day 5	7Cs for effective communication	(a)considerate, concrete, concise, clear complete, correct, courteous	,Chalk& Talk			
Day 6	DCS ON THE TOPICS COVERED IN	THE DDEVIOUS 2 CLASSES				
Day 7	Art of Effective communication  Technical Communication.	(b) A. Choosing words B. Voice C. Modulation D. Clarity E. Time F. Simplification of words	CL -11-0 T-11			
	Unit-2 Soft Ski	ills for Professional Excellence				
Day 8	Soft Skills for Professional Excellence	<ol> <li>Introduction: Soft Skills and Hard Skills.</li> <li>Importance of soft skills</li> </ol>	Chalk & Talk			
Day 8  Day 9		Skills. 2. Importance of soft skills				
Day 9		Skills.				
Day 9 Day 10	DCS ON THE TOPICS  1. Life skills:	Skills.  2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSE  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.				
Day 9 Day 10 Day 11 Day 12	DCS ON THE TOPICS  1. Life skills:  2. DCS ON THE TOPICS COVERED IN	Skills.  2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSE  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.	Chalk & Talk			
Day 10 Day 11 Day 12 Day 12	DCS ON THE TOPICS  1. Life skills:  2. DCS ON THE TOPICS COVERED IN CLASS TEST	Skills.  2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSE  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.  THE PREVIOUS 2 CLASSES  I ON 30% OF SYLLABUS COVERED	Chalk & Talk Chalk & Talk			
Day 10 Day 11 Day 12 Day 12	DCS ON THE TOPICS  1. Life skills:  2. DCS ON THE TOPICS COVERED IN CLASS TEST	Skills.  2. Importance of soft skills  COVERED IN THE PREVIOUS 2 CLASSE  1. Self-awareness and Self-analysis, adaptability, resilience, emotional intelligence and empathy etc  2. Applying soft skills across cultures.  THE PREVIOUS 2 CLASSES	Chalk & Talk Chalk & Talk			

1 50	hort Stories	1 Will D. I. III Distance	Chalk & Talk		
/15. 8	HOIT Stories	1. "Uncle Podger Hangs a Picture"	Chair & Tair		
		Jerome K. Jerome			
		2. Text Reading, Vocabulary and			
		Grammar exercises			
		Gramminar exercises			
y 16.	DCS ON THE TOPIC	CS COVERED IN THE PREVIOUS 2 CLASSI	ES		
		Section-2 Poetry			
ay 17 S	ection-2 Poetry	1. "Night of the Scorpion" by Nissim Ezekiel	Chalk & Talk		
		2. Text Reading, Vocabulary and Grammar			
		. N			
		exercises			
ay 18 F	Poetry	1 W 1 Crown	Chalk & Talk		
۱ ، ۱۰	coup	1. "Stopping by Woods on a Snowy			
		Evening" by Robert Frost			
		2. Text Reading, Vocabulary and			
7 1 1 1		Grammar exercises			
ay 19		A CONTRACTOR OF THE CONTRACTOR			
	DCS ON THE TOPICS COVERED I	N THE PREVIOUS 2 CLASSES	T		
ay 20	Poetry	. 1. "Where the Mind is Without Fear" by	Chalk & Talk		
		Rabindranath Tagore			
		2.Text Reading, Vocabulary and Grammar			
		exercises			
			Chalk & Talk		
	Poetry	Central Idea of three poems			
Day 22					
Day 23	CLASS TEST II FROM NEXT 30% OF SYLLABUS COVERED				
		Unit-4 Professional Writing			
Day 24	Drafting	1. The art of précis writing.	Chalk & Talk		
		2. Lucia de la compania	Chalk & Talk		
Day 25.	Drafting	2. Letters: business and personal	Chair & Tair		
Dov. 26			10.00		
Day 26	DCS ON THE TOPICS COVERED	IN THE PREVIOUS 2 CLASSES			
Day 27	Drafting	Drafting e-mail, notices	Chalk & Talk		
Duy 21	P. A. MANAGE STATE OF THE PROPERTY OF THE PROP				
Day 28.	Drafting	Agenda and its essential characteristics.	Chalk & Talk		
		Minutes of a meeting etc.			
Day 29.	DCS ON THE TOPICS COVERED	IN THE PREVIOUS 2 CLASSES			
Day 30.					
		Jnit-5 Vocabulary and Grammar			
		(P. 11. 177 15 O	Chalk & Talk		
		(English and Hindi). One-word substitution,	Chair & Talk		
Day 31	1. Glossary of administrative terms				
Day 31	1. Glossary of administrative terms	Idioms and phrases etc.			
Day 31	1. Glossary of administrative terms	Idioms and phrases etc.			

ay 32 Parts	of speech,	Noun, Pronoun, Adjective, V	Verb	Chalk & Ta
Day 33. DCS	ON THE TOPICS COVERED Y			
Day 34. Parts	ON THE TOPICS COVERED I	N THE PREVIOUS 2 CLASS	ES	Total Control
22 02		Adverbs, Conjunctions, Preposition, Interjections		Chalk & Ta
Day 35 GRA	MMAR	Tenses Rules		Chalk & Ta
Day 36.				
	ON THE TOPICS COVERED I	N THE PREVIOUS 2 CLASS	ES	
	MMAR	Tenses Rules and Punctuation		Chalk & Ta
Day 38.		A diamonda analysis		Chalk & Ta
		Active and passive voice		Chair & Ta
Day 39. DCS	ON THE TOPICS COVERED I	N THE PREVIOUS 2 CLASS	ES	
	Name of Book	Author Name	Publication	
	Oxford Dictionary	Thomson and Martinet.	Oxford University Pres	
	Roget's Thesaurus of	Peter Mark Roget	Longmans, Green &Co./Dell Publishing	
	English Words and Phrases	Peter Mark Roger		
References	2.181011 11 01 00 01 01 01 01 01		Co., Inc.	
	Callin's English Distingery	William Collins	Harper Co	ollins
	Collin's English Dictionary			
	Practical English Usage	Michael Swan	Oxford University Pres	
	A Practical English Grammar	Thomson and Martinet.	Oxford University Press	
Prescribed	Essentials of Business	Rajender Pal and J.S.Korlahalli	Sultan Chand and Son	
Books	Communication			
	Self Instruction in English		Anmol Publication	
But a Transfer of the second	Pen manachon m Enghan	Dr. K.S. Joseph		

Faculty
Hol) Applied Sciences
& Humanties

HOD/Principal
Principal
Govt. Polytechnic (W)
Kandaghat Distt. Solan