

LESSON PLAN

Program Name	DIPLOMA IN Eltx. & Comm. Engg.
Course/Subject Name	Mathematics-I
Course/Subject Code	BS 101
Course/Subject Coordinator Name	Dr. Reena Kumari

Evaluation scheme

S.No.	Subject Name	Study scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Mathematics-I	3(Th)+2(DCS)	40	-	60	-
Reference books:			(1) B.S. Grewal, Higher Engineering Mathematics, Khanna Publishers, New Delhi, 40th Edition, 2007.			
			(2) G. B. Thomas, R.L. Finney, Calculus and Analytic Geometry, Addison Wesley, 9th Edition, 1995.			
			(3) Reena Garg, Engineering Mathematics, Khanna Publishing House, New Delhi (Revised Ed. 2018)			
			(4) V. Sundaram, R. Balasubramanian, K.A. Lakshminarayanan, Engineering Mathematics, 6/e., Vikas Publishing House			
			(5) Reena Garg & Chandrika Prasad Advanced Engineering Mathematics, Khanna Publishing House, New Delhi.			
			(6) Satish Kumar Sharma, Mathematics-I, Eagle Prakashan, 2023			

Course Outcomes: After the completion of the course, the students will be able to learn:

CO1	Acquire necessary background in Trigonometry to appreciate the importance of the geometric study as well as for the calculation and the mathematical analysis.
CO2	The ability to find the effects of changing conditions on a system.
CO3	Complex numbers enter into studies of physical phenomena in ways that most people cannot imagine.
CO4	The partial fraction decomposition lies in the fact that it provides an algorithm for computing the anti derivative of a rational function.

Teaching Plan:

Lecture No.	Name of topic	Proposed date	Actual date	Remarks
1	Trigonometry : Concept of angles	12/08/2024		
2	Concept of angles	14/08/2024		
3	Measurement of angles in degrees, grades and radians and their conversions	16/08/2024		
4	Measurement of angles in degrees, grades and radians and their conversions	17/08/2024		
5	Measurement of angles in degrees, grades and radians and their conversions	21/08/2024		
6	T-Ratios of Allied angles	22/08/2024		
7	T-Ratios of Allied angles	23/08/2024		
8	Sum, difference formulae and their applications	24/08/2024		
9	Sum, difference formulae and their applications	28/08/2024		
10	Sum, difference formulae and their applications	29/08/2024		
11	Product formulae (Transformation of product to sum, difference and vice versa)	30/08/2024		
12	Product formulae (Transformation of product to sum, difference and vice versa)	31/08/2024		
13	Product formulae (Transformation of product to sum, difference and vice versa)	02/09/2024		
14	T- Ratios of multiple angles, sub-multiple angles (2A, 3A, A/2)	04/09/2024		
15	T- Ratios of multiple angles, sub-multiple angles (2A, 3A, A/2)	05/09/2024		
16	Graph of sin x	06/09/2024		
17	Graph of cos x	07/09/2024		
18	Differential Calculus: Definition of function	09/09/2024		
19	Definition of function	11/09/2024		
20	Concept of limits	12/09/2024		
21	Concept of limits	13/09/2024		
22	Concept of limits	16/09/2024		
23	Four standard limits, $\frac{x^n - a^n}{x - a}$, $\frac{\sin x}{x}$, $(1 + x)^{\frac{1}{x}}$, $\frac{a^x - 1}{x}$	18/09/2024		
24	Four standard limits, $\frac{x^n - a^n}{x - a}$, $\frac{\sin x}{x}$, $(1 + x)^{\frac{1}{x}}$, $\frac{a^x - 1}{x}$	19/09/2024		
25	Differentiation by definition of sinx, cosx, tanx	20/09/2024		
26	Differentiation by definition of x^n , e^x	21/09/2024		
27	Differentiation formulae	23/09/2024		
28	Differentiation of sum and difference of functions	25/09/2024		
29	Differentiation of sum and difference of functions	26/09/2024		

30	Differentiation of product and quotient of functions	27/09/2024		
31	Differentiation of product and quotient of functions	28/09/2024		
32	Differentiation of function of a function	30/09/2024		
33	Differentiation of function of a function	03/10/2024		
34	Differentiation of trigonometric and inverse trigonometric functions	04/10/2024		
35	Differentiation of trigonometric and inverse trigonometric functions	05/10/2024		
36	Differentiation of trigonometric and inverse trigonometric functions	07/10/2024		
37	Logarithmic differentiation	09/10/2024		
38	Logarithmic differentiation	10/10/2024		
39	Complex Numbers: Definition, real and imaginary parts of a complex number, conjugate of a complex number	11/10/2024		
40	Addition and Subtraction of complex numbers	14/10/2024		
41	Multiplication and Division of complex numbers	16/10/2024		
42	Multiplication and Division of complex numbers	18/10/2024		
43	Multiplication and Division of complex numbers	19/10/2024		
44	Modulus and amplitude of a complex number	21/10/2024		
45	Polar and Cartesian, representation of a complex number and its conversion from one form to other	23/10/2024		
46	Polar and Cartesian, representation of a complex number and its conversion from one form to other	24/10/2024		
47	De-moivre's theorem, its application	25/10/2024		
48	Partial fractions: Definition of polynomial fraction proper & improper fractions and definition of partial fractions	26/10/2024		
49	To resolve proper fraction into partial fraction with denominator containing non-repeated linear factors	04/11/2024		
50	To resolve proper fraction into partial fraction with denominator containing repeated linear factors	06/11/2024		
51	To resolve proper fraction into partial fraction with denominator containing repeated and non repeated linear factors	07/11/2024		
52	Permutations and Combinations: Value of $P(n,r)$ and $C(n,r)$	08/11/2024		
53	Value of $P(n,r)$ and $C(n,r)$	16/11/2024		
54	Binomial theorem: Binomial theorem for positive integral index (expansion and general form)	18/11/2024		
55	Binomial theorem for positive integral index (general form)	20/11/2024		
56	Binomial theorem for positive integral index (general form)	21/11/2024		
57	Binomial theorem for any index	22/11/2024		
58	Binomial theorem for any index	23/11/2024		
59	First and second binomial approximation with applications to engineering problems	25/11/2024		
60	First and second binomial approximation with applications to engineering problems	26/11/2024		
61	DCS on the topic covered in previous classes	27/11/2024		

62	DCS on the topic covered in previous classes	28/11/2024		
63	DCS on the topic covered in previous classes	29/11/2024		
64	DCS on the topic covered in previous classes	30/11/2024		
65	DCS on the topic covered in previous classes	02/12/2024		

Assignments:

Assignment serial	Contents of syllabus covered	Proposed week/date	Actual date	Remarks
A-1	Trigonometry & Differential Calculus	3rd week of Sept. 2024		
A-2	Differential Calculus & Algebra	1st week of Nov. 2024		

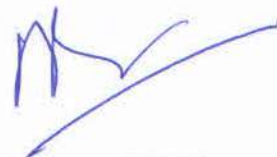
House Test/Class Test:

House/Class Test	Contents of syllabus covered	Proposed week/date	Actual date	Remarks
CT-I	30% of the syllabus	2 nd week of Sept. 2024		
CT-II	Next 30% of the syllabus	3 th week of Oct. 2024		
House Test	80% of the syllabus	2 nd week of Nov. 2024		



Signature of Teacher

Dr. Reena Kumari



Signature of HOD

LESSON PLAN

Program Name	Eltx & Comm. Engg
Course/Subject Name	Applied Physics-I
Course/Subject Code	BS-103 & BS-106
Course/Subject Coordinator Name	Manoj Kumar

Evaluation scheme

S.No.	Subject Name	Study scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Applied physics-I & Applied Physics-I lab	TH [3+1(DCS)] + 2 (Lab)	40	40	60	60
Reference books			(i) Text Book of Physics for Class XI& XII (Part-I, Part-II); N.C.E.R.T., Delhi			
			(ii) Concepts in Physics by HC Verma, Vol. I & II, Bharti Bhawan Ltd. New Delhi			
			(iii) Applied Physics, Vol. I and Vol. II, TTTI Publications, Tata McGraw Hill, Delhi			
			(iv) Engineering Physics by DK Bhattacharya & Poonam Tandan; Oxford University Press, New Delhi			
			(v) Textbook of Applied Physics-I by Amit Pathak, Manoj Kumar Saini & Dr. Raj Kumar Jagota, True-Edu Publication			
			(vi) Practical Physics by C. L. Arora, S. Chand Publication.			

Course Outcomes: After the completion of the course the student will be able to

CO1	Understand the importance of applied physics in describing physical phenomena.
CO2	Employ the knowledge of units and dimensions for various types of measurements.
CO3	Understand the importance of various types of errors while doing measurements.
CO4	Understand the basic forces present in the nature and their effects in daily life.
CO5	Understand energy, work, power and their importance.
CO6	Understand the basic phenomena like elasticity, surface tension, pressure etc.
CO7	Differentiate between heat and temperature and their measurements.

Teaching Plan:

Lecture No.	Name of topic	Proposed date	Actual date	Remarks
1	Unit-1 Physical world, Units & Dimensions: Physical quantities - fundamental and derived,	12/08/2024		
2	Units & systems of units (FPS, CGS and SI units)	14/08/2024		
3-4	Dimensions and dimensional formulae of physical quantities	16/08/2024 17/08/2024		
5	Principle of homogeneity of dimensions	19/08/2024		
6	Dimensional equations and their applications, conversion from one system of units to other,	21/08/2024		
7	checking of dimensional equations and derivation of simple equations)	23/08/2024		
8	Limitations of dimensional analysis	24/08/2024		
9	Error in measurement (systematic & random), absolute error, relative	28/08/2024		



	error, error estimation and significant figures			
10	Unit-2 Force & motion: Scalar and vector quantities – examples, representation of vector, types of vectors	30/08 /2024		
11-12	Addition and Subtraction of Vectors, Triangle and Parallelogram law (Statement only),	31/08 /2024 02/09/2024		
13	Scalar and Vector Product.	04/09 /2024		
14	Resolution of Vectors and its application to inclined plane (Rectangular components) and lawn roller	06/09 /2024		
15-16	Force, Momentum, Statement and Derivation of Conservation of linear momentum, its applications such as recoil of gun & rocket	07/09 /2024 09/09/2024		
17	Impulse and its Applications	11/09 /2024		
18	Circular motion, definition of angular displacement, angular velocity, angular acceleration, frequency, time period	13/09 /2024		
19	Relation between linear and angular velocity, linear acceleration and angular acceleration (related numerical)	16/09 /2024		
20	Centripetal and centrifugal forces with live examples such as banking of roads and bending of cyclist	18/09 /2024		
21	Unit-3 Work, Power & Energy Work: Concept and units, examples of zero work, positive work and negative work	20/09 /2024		
22	Friction: concept, types, laws of limiting friction, Coefficient of friction, methods for reducing friction and its Engineering Applications	21/09/2024		
23	Work done in moving an object on horizontal and inclined plane for rough and plane surfaces and related applications	23/09 /2024		
24	Energy and its units: Kinetic energy and gravitational potential energy with examples and their derivation	25/09 /2024		
25-26	Mechanical energy, conservation of mechanical energy for freely falling bodies, transformation of energy(examples)	27/09 /2024 28/09/2024		
27	Power and its units, power and work relationship, calculation of power (numerical problems)	30/09 /2024		
28	Unit-4 Rotational motion Translational and rotational motions with examples	04/10 /2024		
29	Definition of torque and angular momentum and their examples	05/10 /2024		
30	Conservation of angular momentum (quantitative) and its applications	07/10 /2024		
31	Moment of inertia and its physical significance, radius of gyration for rigid body,	09/10 /2024		
32	Theorems of parallel and perpendicular axes (statements only), Moment of inertia of rod, disc , ring and sphere(hollow and solid) : (Formulae only)	11/10 /2024		
33	Unit-5 Properties of matter Elasticity: definition of stress and strain, different types of moduli of elasticity,	14/10 /2024		
34	Hooke's law, significance of stress strain curve	16/10 /2024		
35	Pressure: definition, units, atmospheric pressure, gauge pressure, absolute pressure, Fortin's barometer and its applications	18/10 /2024		
36	Surface tension: concept, units , cohesive and adhesive forces, angle of contact	19/10 /2024		
37	Ascent Formula (No derivation), applications of surface tension,	21/10 /2024		
38	effect of temperature and impurity on surface tension	23/10 /2024		
39	Unit-6 Thermometry: Concept of heat and temperature	25/10 /2024		
40	Modes of transfer of heat (Conduction, convection and radiation with examples)	26/10 /2024		
41	scales of temperature and their relationship	11/11 /2024		

42-43	Types of Thermometer (Mercury Thermometer, Bimetallic Thermometer)	13/11 /2024 11/11/2024		
44	Platinum resistance thermometer and pyrometer and their uses	16/ 11/2024		
45-46	Expansion of solids, liquids and gases, coefficient of linear, surface and cubical expansions and relation amongst them,	18/ 11/2024 20/11/2024		
47	Co-efficient of thermal conductivity	22/11 /2024		

Assignments:

Assignment serial	Contents of syllabus covered	Proposed date	Actual date	Remarks
A-1	Physical world, Units & dimensions ,force and motion	02/09/2024		
A-2	Work, power, Energy and rotational motion	10/10/2024		
A-3	Properties of matter and thermometry	14/11/2024		

House Test/Class Test:

House/Class Test	Contents of syllabus covered	Proposed date	Actual date	Remarks
CT-I	30% of the syllabus	2 nd week of September		
CT-II	Next 30% of the syllabus	3 rd week of October		
House Test	80% of the syllabus	2 nd week of November		

Lab Plan:

Exp. No.	Name of experiment	Actual date		Remarks
		G-1	G-2	
1	To measure length, radius of a given cylinder, a test tube and a beaker using a Vernier Caliper and find volume of each object.			
2	To Determine diameter of wire, a solid ball and thickness of a cardboard using a screw gauge.			
3	To determine radius of curvature of a convex and concave mirror/surface using a spherometer.			
4	To verify triangle and parallelogram law of forces.			
5	To determine force constant of spring using Hooke's law			
6	To verify law of conservation of Mechanical energy (PE to KE).			
7	To find the Moment of Inertia of a flywheel.			
8	To measure room temperature and temperature of a hot bath using mercury thermometer and convert it into different scales.			

(Signature of Teacher)

(Signature of HOD)

LESSON PLAN

ProgramName	Diploma (ECE.)
Course/SubjectName	Applied Chemistry
Course/SubjectCode	BS105(Th)& BS109 Applied Chemistry Lab
Course/SubjectCoordinatorName	Ms.Swati Bhardwaj

Evaluation scheme

S.No	Subject Name	Study Scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Applied Chemistry +Applied Chemistry Lab	3(Th)+1(DCS) +2(Pr)	40	40	60	60
Reference books			1. Dr.Vairam, S.,Engineering Chemistry,Wiley India Pvt.Ltd.,New Delhi, 2013			
			2. Eagle's Applied Chemistry By S C Ahuja Edited by Dr Vibha Sharma and Aman Saini			
			3. TextBook Of Chemistry forClass XI & XII(Part-I,Part-II);NCERT.,Delhi,2017-18			
			4. Dr.G.Hugar & Prof. A.N.Pathak Applied Chemistry Laboratory Practices, NITTTR.			
			5. Agnihotri, Rajesh, Chemistry for EngineersWiley India Pvt.Ltd.,2014.			

Course Outcomes: After the completion of the course the student will be able to

CO1	Understand the classification and general properties of engineering materials such as metals, alloys and refractory using knowledge of chemical bonding.
CO2	Understand and assess the suitability of water source for domestic and industrial application, effluent and minimize water pollution.
CO3	Understand how to analyze engineering materials, their properties and applications.
CO4	Understand the use of fuel and lubricants suitable for economical industrial processing eco-friendly products
CO5	Understand construction and mechanism efficiency of electrochemical cells.
CO6	Understand the corrosion and develop prevention techniques.

Swati

Teaching Plan:

Lect No.	Name of topic	Proposed Date	Actual Date	Remarks
1	Unit-1. Atomic Structure: Fundamental particles (electron, proton, neutron), Bohr's theory (Postulates)	12-08-2024		
2	Bohr's theory (successes & limitations).	13-08-2024		
3	Heisenberg uncertainty principle, Hydrogen Spectrum.	14-08-2024		
4	Orbital, difference between orbit and orbital & DCS.	17-08-2024		
5	Shapes of s, p orbitals	20-08-2024		
6	Quantum numbers.	21-08-2024		
7	Pauli's exclusion principle, Hund's rule of maximum multiplicity, Aufbau rule.	24-08-2024		
8	Electronic configuration ($Z=1$ to 30) & DCS.	27-08-2024		
9	Unit-2 Chemical Bonding and Solutions: Concept of chemical bonding—cause of chemical bonding, types of bonds: ionic bonding (NaCl example), Lewis concept of covalent bond (H_2 , F_2 , HF). Electronegativity.	28-08-2024		
10	Difference between sigma and pie bond.	31-08-2024		
11	Electron sea model of metallic bond, Idea of solute, solvent and solution, Molarity, molality, mass percentage.	02-09-2024		
12	Unit-3 Electrochemistry and Corrosion: Faraday's laws of electrolysis & DCS.	03-09-2024		
13	Simple numerical problems on Faraday's laws of electrolysis & DCS.	04-09-2024		
14	Industrial application of Electrolysis – • Electrometallurgy	07-09-2024		
15	• Electroplating.	02-09-2024		
16	• Electrolytic refining & DCS.	09-09-2024		
17	CLASS TEST - I.	10-09-2024		
18	Primary Application of redox reactions in electrochemical cells – dry cell.	11-09-2024		
19	Secondary cell - commercially used lead acid storage battery.	16-09-2024		
20	Introduction to Corrosion of metals – definition, types of corrosion (electrochemical) & DCS.	16-09-204		
21	H_2 liberation and O_2 absorption mechanism of electrochemical corrosion	17-09-204		
22	Internal corrosion preventive measures – Purification, alloying and heat treatment & DCS.	18-09-2024		
23	External corrosion preventive measures: metal anodic coating.	19-09-2024		
24	Cathodic coating & DCS.	19-09-2024		

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25	Unit-4 Engineering Materials: Natural occurrence of metals – minerals, ores of iron, aluminum and copper, gangue (matrix), flux, slag.	21-09-2024		
26	metallurgy – brief account of general principles of metallurgy(a).Crushing and grinding (b) Concentration of ore (Levigation).	23-09-2024		
27	Froth flotation	24-09-2024		
28	Magnetic separation & DCS.	25-09-2024		
29	(c) Extraction(Roasting and calcinations & smelting)	30-09-2024		
30	(d) Refining (Electrorefining, zone refining) & DCS.	30-09-2024		
31	Extraction of - iron from haematite ore using a blast furnace along with reactions.	01-10-2024		
32	Alloys – definition, purposes of alloying & DCS.	05-10-2024		
33	Ferrous alloys (Invar steel), Non-ferrous alloys (Simple Brass & Bronzes) with properties and applications.	07-10-2024		
34	Nichrome,Duralumin,Magnesium(properties, applications)	08-10-2024		
35	Unit-5 Water: Classification of soft and hard water based on soap test, salts causing water hardness, Cause of poor lathering of soap in hard water	09-10-2024		
36	units of hardness(mg/L and ppm), simple numerical on water hardness & DCS.	14-10-2024		
37	Problems caused by the use of hard water in boilers (scale and sludge, foaming and priming, corrosion.)	15-10-2024		
38	water softening techniques- i) zeolite process	16-10-2024		
39	ii). Municipal water treatment (in brief only) – sedimentation, coagulation,	19-10-2024		
40	filtration, sterilization & DCS.	21-10-2024		
41	CLASS TEST -II	22-10-2024		
42	Properties of water used for human consumption for drinking and cooking purposes from any water sources and Indian standard specification of drinking water.	23-10-2024		
43	Unit-6 Fuels: Definition of fuel and combustion of fuel, classification of fuels	26-10-2024		
44	Characteristics of good fuel, Calorific values (HCV and LCV) & DCS.	11-11-2024		
45	Calculation of HCVandLCV using Dulong's formula,DCS	12-11-2024		
46	Petrol and diesel - fuel rating (octane and cetane numbers), Chemical composition	13-11-2024		
47	Calorific values and applications ofLPG,CNG,water gas.	16-11-2024		
48	Calorific values and applications of producer gas and biogas & DCS.	18-11-2024		
49	Unit-7 Lubrication: Function and characteristic properties of good lubricant.	19-11-2024		
50	Classification of lubricants with examples	20-11-2024		

Signature

Lab Plan:

Exp. No.	Name of experiment	Proposed Date (G-1&G-2)	Actual Date (G-1&G-2)	Remarks
1	Preparation of standard solution of oxalic acid.	16-08-2024 & 22-08-2024		
2	To determine strength of solution by titrating against standard oxalic acid solution using phenolphthalein as indicator.	23-08-2024 & 29-08-2024		
3	Experimental verification of Faraday's first law of electrolysis using copper sulfate solution and copper electrode. OR To construct and measure emf of ElectroChemical Cell(Daniel cell)	30-08-2024 & 12-09-2024		
4	Iodometric estimation of Copper in the given Copper ore using standard Hypo solution. OR To determine the percentage of Iron present in the given Haematite ore by standard Potassium Permanganate solution.	13-09-2024 & 19-09-2024		
5	Estimation of total hardness of water using standard EDTA solution and using eriochrome black-T (solochrome black-T) indicator and approximately neutral buffer solution (pH range 7-11). OR To estimate total alkalinity of a given water sample by titrating it against standard Sulphuric acid.	20-09-2024 & 26-09-2024		
6	To estimate moisture in a given coal sample gravimetrically.	27-09-2024 & 24-10-2024		
7	To estimate ash in a given coal sample gravimetrically.	18-10-2024 & 07-11-2024		
8	To determine viscosity of given lubricating oil by Redwood viscometer.	08-11-2024 & 21-11-2024		

Signature of Teacher

(Swati Bhardwaj)

HOD(AS&H)

LESSON PLAN

Program Name	DIPLOMA IN ECE
Course/Subject Name	Communication Skills In English
Course/Subject Code	HS 101
Course/Subject Coordinator Name	Renu Patial

Evaluation scheme

S.No.	Subject Name	Study scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Communication Skills in English	2(Th)+1(DCS)+2(Pr.)	40	40	60	60
Reference books:			(1) The Functional Aspects of Communication Skills			
			(2) H. G Publications English Grammar			
			(3) English & Comm. Skills-I & II by Eagle Publications			
			(4) General English By Lucent			

Course Outcomes: After the completion of the course the students will:

CO1	Develop basic speaking and writing skills including proper usage of language and vocabulary so that they can become highly confident and skilled speakers and writers.
CO2	Be informed of the latest trends in basic verbal activities such as presentation, facing interviews and other forms of communication.
CO3	Also Develop Skill of group presentation and communication in team.
CO4	Develop Non-Verbal Communication such as proper use of body language and gesture.

Teaching Plan:

Lecture No.	Name of topic	Proposed Date	Actual date	Remarks
1	Unit-1 Communication: Theory and Practice Introduction	12/08/24		
2	Basics of communication, Introduction meaning and definition, process of communication etc.	14/08/24		
3	Types of Communication: Formal & Informal, Verbal, Non-Verbal and written Barriers to effective communication.	19/08/24		




4	7Cs for effective communication(Consideration, concrete,concise, clear,complete, correct, courteous)	21/08/24		
5	Art of effective communication, (Choosing words, Voice,Modulation,Clarity, Time, Simplification of Words and Technical Communication.	22/08/24		
6	Unit-2 Soft Skills For Professional Excellence: Introduction: Soft Skills and Hard skills Importance of soft skills	28/08/24		
7	Life Skills,Self Awareness and self analysis, Adaptability, resilience, emotional intelligence and empathy etc.	29/08/24		
8	Unit- 3 Reading Comprehension Section: Short Stories 1. The Gift Of Magi	02/09/24		
9	The Gift Of Magi	04/09/24		
10	2.Uncle Podger Hangs a Picture	05/09/24		
11	Uncle Podger Hangs a Picture	09/09/24		
12	Section :2 Poetry 1.Night Of the Scorpion	11/09/24		
13	1.Night Of the Scorpion	12/09/24		
14	2.Stopping By Woods On A snowy Evening	16/09/24		
15	Stopping By Woods On A snowy Evening	18/09/24		
16	3. Where Mind Is without fear	19/09/24		
17	Unit-4. Professional writing The Art of précis writing	23/09/24		
18	The Art of précis Writing	25/09/24		
19	Letters: Business and Personal	26/09/24		
20	Letters: Business and Personal	30/09/24		
21	Letters: Business and Personal	03/10/24		
22	Drafting e-mail	07/10/24		
23	Drafting Notices	09/10/24		
24	Minutes Of Meeting	10/10/24		
25	Minutes Of Meeting	14/10/24		
26	Unit -5 Vocabulary and Grammar Glossary of administrative terms(Hindi and English)	16/10/24		
27	One-word substitution	21/10/24		
28	One-word substitution	23/10/24		
29	Idioms and phrases	24/10/24		
30	Idioms and phrases	28/10/24		
31	Parts of Speech	30/10/24		
32	Parts of Speech	04/11/24		
33	Parts of Speech	06/11/24		
34	Tenses	07/11/24		
35	Tenses	11/11/24		
37	Active and Passive Voice	13/11/24		

38	Active and Passive voice	14/11/24		
39	Active and Passive Voice	18/11/24		
40	Active and Passive Voice	20/11/24		
41	Punctuation.	21,25/11/24		
42	Punctuation.	28/11/24 02/12/24		

Assignments:

Assignment serial	Contents of syllabus covered	Actual date	Remarks
A-1	Communication and Soft Skills		
A-2	Reading Comprehension		

House Test/Class Test:

House/Class Test	Contents of syllabus covered	Proposed Date	Actual date	Remarks
CT-I	30% of the syllabus			
CT-II	Next 30% of the syllabus			
House Test	80% of the syllabus			

Lab Plan(101):

Month	Name of Practical	Actual Date		Remarks
		G-A	G-B	
AUG	Unit-1 listening Skills: Listening process and practice, introduction to recorded lectures, poems, interviews and speeches, listening tests.			
SEP	Unit-2 introduction to phonetics 1. Sounds: Consonant, Vowel, Diphthongs etc. transcription of words(IPA) Syllable Division 2. Words , Stress, Intonation, Voice Modulation etc.			
OCT-NOV	Unit-3 Speaking Skills Standard and Formal speech Group Discussion Oral Presentation Public Speaking ,Business presentation etc. Conversation Practice Role playing Mock Interview			



Signature of Teacher



Signature of HOD

LESSON PLAN

Branch	BCG
Course Title	Sports and Yoga
Course Code	HS103
Number Of Credits	1 (L : 0 , DCS : 0 , P : 2)
Course Category	HS

Evaluation Scheme

Sr No.	Subject Name	Study Scheme Hrs/Week	Marks Evaluation Scheme			
1	Sports and Yoga		Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
		02 Hrs/week		40		60
2	Reference Books	Modern trends and physical Edu. By Prof. Ajmer singh				
		Light on Yoga By B.K.S. Iyenger.				
		Health and Physical Edu.- NCERT (11 th and 12 th Classes)				

Course Outcome: On successful completion of the course the students will be able to:

i	Practice physical activities and hatha yoga focusing on yoga for strength, flexibility, and relaxation.
ii	Learn techniques for increasing concentration and decreasing anxiety which leads to stronger academic performance.
iii	Learn breathing exercises and healthy fitness activities. Understand basic skills associated with yoga and physical activities including strength and flexibility, balance and coordination.
iv	Perform yoga movements in various combination and forms
v	Assess current personal fitness levels.
vi	Identify opportunities for participation in yoga and sports activities
vii	Develop understanding of health related fitness components cardiorespiratory endurance, flexibility and body composition etc.
viii	Improve personal fitness through participation in sports and yogic activities
ix	Develop understanding of psychological problems associated with the age and life style
x	Demonstrate and understanding of sound nutritional practices as related to health and physical performance
xi	Assess yoga activities in terms of fitness value
xii	Identify and apply injury prevention principals related to yoga and physical fitness activities.

Lab Plan: Sports and Yoga(ECE.)

	Name of Contents	Proposed date		Actual date		Remarks
		G-I	G-II	G-I	G-II	
1	Introduction to Physical Education. Meaning & definition of Physical Education. Aims & Objectives of physical Education. Changing trends in Physical Education	12/08/2024	19/08/2024			
2	Olympic Movement. Ancient & Modern Olympics (Summer & Winter). Olympic Symbols, Ideals, Objectives & Values. Awards and Honours in the field of sports in India (Dronacharya Award, Arjuna Award, Dhyanchand Award, Rajiv Gandhi Khel Ratna Award etc.)	22/8/24	29/8/24			
3	Physical Fitness, Wellness & Lifestyle. Meaning & Importance of physical Fitness & wellness. Components of Physical fitness. Components of Health related fitness. Components of wellness. Preventing health threats Through Lifestyle Change. Concept of positive Lifestyle.	2/9/24	15/09/2024			
4	Fundamentals of Anatomy & Physiology in physical Education, Sports and yoga. Define anatomy, Physiology & Its importance. Effect of exercise on the functioning of various body system. (Circulatory system, Respi- ratory system. Neuro-Muscular system etc.)	09/09/24	12/9/24			
5	Kinesiology, Biomechanics & sports. Meaning & Importance of Kinesiology & Biomechanics in Physical Edu. & sports. Friction and its effects in sports.	16/9/24	19/9/24			
6	Postures. Meaning and concept of Postures. Casuses of Bad Posture. Advantages & Disadvantages of weight training. Concept & advantages of correct Posture. Common Postural Deformities - Knock Knee; Flat Foot; Round Shoulders; Lordosis, ky- Phosis, Bow legs and Scoliosis. Corrective measures for Postural Deformities.	28/9/24	26/9/24			
7	Yoga. Meaning & Importance of Yoga. Elements of Yoga. Introduction - Asanas, Pranayama, Meditation & Yogic Kriyas. Yoga for concentration & related Asanas (Sukhasana; Tadasana; Padmasana & Sha- Shankasana). Relaxation Techniques for improving concentration Yognidra.	30/9/24	03/10/24			
8	Yoga & Lifestyle. Asanas as preventive measures. Hypetension: Tedasana, Vajrasana, Pravan Muktasana, Ardha Chakrasana, Bhujagasana, sharasana. Obesity: Procedure, Benefits & contraindications for Vajrasana, Hastasana, Trikonašana, Ardh matsyendrasana, Matsyendrasana. Back Pain: Tadasana, Ardh Matsyendrasana, Vakrasana, shalabhasana, Bhujangasana.	7/10/24	10/10/24			

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Lesson Plan/Lab Plan (Carpentry shop)

Trade : Electronic & Comm. Engg.

Session: July - Dec 2024

Sem: 1st

Sr. No	Name of Practical	Proposed Date	Actual Date	Remarks
1	(i) Demonstration of different wood working tools/Machines	Q-I 12-8-24		
		13-8-24		
		19-8-24		
		Q-II 20-8-24		
		22-8-24		
		Q-III 27-8-24		
2	(ii) Demonstration of different wood working processes like Planing, Marking, chiseling, grooving, truning of wood etc.	29-8-24		
		Q-I 2-9-24		
		3-9-24		
		5-9-24		
		Q-II 9-9-24		
		10-9-24		
3	One simple job involving any one joint like mortise and tenon Joint.	12-9-24		
		Q-III 16-9-24		
		17-9-24		
		19-9-24		
		Q-I 23-9-24		
		24-9-24		
4	Practice on Dovetail, bridle and Half lap Joint etc.	26-9-24		
		Q-II 30-9-24		
		01-10-24		
		03-10-24		
		Q-III 7-10-24		
		8-10-24		
		10-10-24		
		Q-I 14-10-24		
		15-10-24		
		4-11-24		
		5-11-24		
		7-11-24		
		Q-II 21-10-24		
		22-10-24		
		24-10-24		
		18-11-24		
		19-11-24		
		21-11-24		
		Q-III 23-10-24		
		29-10-24		
		25-11-24		
		26-11-24		
		28-11-24		

W/shop Instr.

TeK Singh

Foreman Instr.

(Nareh Kumar)

Workshop Supdt.

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Lesson Plan/Lab Plan (Electrical shop)

Trade : Electronic & Comm. Engg.

Session: July - Dec 2024

Sem: 1st

Sr. No	Name of Practical	Proposed Date	Actual Date	Remarks
1	(i) Demonstration of advance power tools, Pneumatic tools, electrical wiring tools and accessories.	G-II 12-08-24 13-08-24		
		G-III 19-8-24 20-8-24 22-8-24		
		G-I 27-8-24 29-8-24		
2	(ii) Tools for cutting and drilling (iii) Demonstration of measurement of current, voltage, Power and energy.	G-II 02-9-24 03-9-24 05-9-24		
		G-III 09-9-24 10-9-24 12-9-24		
		G-I 16-9-24 17-9-24 19-9-24		
3	Practice of simple lamp circuit (iv) One lamp controlled by one switch by surface conduit wiring. (v) Lamp circuits- connection of lamp and socket by separate switches.	G-II 23-9-24 24-9-24 26-9-24		
		G-III 30-9-24 01-10-24 03-10-24		
		G-I 07-10-24 08-10-24 10-10-24		
4	(vi) Connection of Fluorescent lamp/tube light (vii) Simple Lamp Circuits install bedroom lighting. (viii) Simple lamp circuit install stair case wiring	G-II 14-10-24 16-10-24 04-11-24 05-11-24 07-11-24		
		G-III 21-10-24 22-10-24 24-10-24 18-11-24 19-11-24 21-11-24		
		G-I 28-10-24 29-10-24 25-11-24 26-11-24 28-11-24		

W/shop Instr.
Nareesh Kumar

Foreman Instr.
(Nareesh Kumar)

Workshop Supdt.

HOD
App. Scj Ham.

Lesson Plan/Lab Plan (Sheet Metal shop)

Trade : Electronic & Comm. Engg.		Session: July - Dec 2024		
Sem: 1st				
Sr. No	Name of Practical	Proposed Date	Actual Date	Remarks
1	(i) Demonstration of different Sheet metal tools/ Machines	G-III 12-8-24		
		13-8-24		
		19-8-24		
		G-I 20-8-24		
		22-8-24		
2	(ii) Demonstration of different Sheet Metal operations like sheet cutting, bending, edging	G-II 27-8-24		
		29-8-24		
		G-III 2-9-24		
		3-9-24		
		5-9-24		
3	Demonstration of sheet metal operations like curling, lancing soldering, brazing and riveting	G-I 9-9-24		
		10-9-24		
		12-9-24		
		G-II 16-9-24		
		17-9-24		
4	One simple job involving sheet metal operation and soldering and riveting.	19-9-24		
		G-III 23-9-24		
		24-9-24		
		26-9-24		
		G-I 30-9-24		
		01-10-24		
		03-10-24		
		G-II 7-10-24		
		8-10-24		
		10-10-24		
		G-III 14-10-24		
		15-10-24		
		4-11-24		
		5-11-24		
		7-11-24		
		G-I 21-10-24		
		22-10-24		
		24-10-24		
		18-11-24		
		19-11-24		
		21-11-24		
		G-II 28-10-24		
		29-10-24		
		25-11-24		
		26-11-24		
		28-11-24		

/shop Instr.

avinder Sharma

Foreman Instr.

(Nareesh Kumar)

Workshop Supdt.

HOD

App. Sci Hum.