



**SHIKSHA NIKETAN SENIOR SECONDARY
SCHOOL
JEEVAN NAGAR, JAMMU
SYLLABUS OF 11TH CLASS (SCIENCE STREAM)
SESSION 2024-25**

SUBJECT: ENGLISH

Total Marks= 100

Theory: 80 Marks

Internal Assessment: 20 Marks

Days		TOTAL LECTURES = 140
1	Introduction of English Syllabus	
2	Introduction of English Language	
3	Importance & Significance of English Language	
4	Discussion on different Genres of English Language	
5	The Portrait of the Lady	
6	The Portrait of the Lady	
7	The Portrait of the Lady	
8	The Portrait of the Lady	
9	The Portrait of the Lady	
10	The Summer of the Beautiful White Horse	
11	The Summer of the Beautiful White Horse	
12	The Summer of the Beautiful White Horse	
13	The Summer of the Beautiful White Horse	
14	The Summer of the Beautiful White Horse	
15	A Photograph (Poem)	
16	A Photograph (Poem)	
17	A Photograph (Poem)	
18	A Photograph (Poem)	
19	Advertisement	
20	Advertisement	
21	Advertisement	
22	Advertisement	
23	Letter Writing	
24	Formal Letter Writing	
25	Formal Letter Writing	
26	Formal Letter Writing	
27	We're Not Afraid To Die If We'll To Be Together	
28	We're Not Afraid To Die If We'll To Be Together	
29	We're Not Afraid To Die If We'll To Be Together	
30	We're Not Afraid To Die If We'll To Be Together	
31	We're Not Afraid To Die If We'll To Be Together	
32	The Address	
33	The Address	
34	The Address	

35	The Address	
36	The Address	
37	Laburnum Top	
38	Laburnum Top	
39	Laburnum Top	
40	Laburnum Top	
41	Discovering Tut : the Saga Continues	
42	Discovering Tut : the Saga Continues	
43	Discovering Tut : the Saga Continues	
44	Discovering Tut : the Saga Continues	
45	Discovering Tut : the Saga Continues	
46	Poster Making	
47	Poster Making	
48	Poster Making	
49	Notice Making	
50	Notice Making	
51	Notice Making	
52	Notice Making	
53	Mother's Day	
54	Mother's Day	
55	Mother's Day	
56	Mother's Day	
57	Mother's Day	
58	Mother's Day	
59	Mother's Day	
60	The Voice of the Rain	
61	The Voice of the Rain	
62	The Voice of the Rain	
63	The Voice of the Rain	
64	Childhood	
65	Childhood	
66	Childhood	
67	Childhood	
68	Article Writing	
69	Article Writing	
70	Article Writing	
71	Speech Writing	
72	Speech Writing	
73	Speech Writing	
74	E-mail Writing	
75	E-mail Writing	
76	E-mail Writing	
77	Note – Making	
78	Note – Making	

79	Note – Making	
80	Articles – the Determinars	
81	Articles	
82	Articles	
83	Articles	
84	Prepositions	
85	Prepositions	
86	Prepositions	
87	Prepositions	
88	Prepositions	
89	Tenses	
90	Tenses	
91	Tenses	
92	Tenses	
93	Tenses	
94	Tenses	
95	Tenses	
96	Tenses	
97	Tenses	
98	Tenses	
99	The Ailing Planet	
100	The Ailing Planet	
101	The Ailing Planet	
102	The Ailing Planet	
103	The Ailing Planet	
104	The Adventure	
105	The Adventure	
106	The Adventure	
107	The Adventure	
108	The Adventure	
109	The Adventure	
110	The Adventure	
111	Father to Son	
112	Father to Son	
113	Father to Son	
114	Father to Son	
115	Debate Writing	
116	Debate Writing	
117	Debate Writing	
118	Modals	
119	Modals	
120	Modals	
121	Modals	
122	Modals	

123	Conjunction	
124	Conjunction	
125	Conjunction	
126	Punctuation	
127	Punctuation	
128	Punctuation	
129	Silk Road	
130	Silk Road	
131	Silk Road	
132	Silk Road	
133	Silk Road	
134	The Tale of the Melon City	
135	The Tale of the Melon City	
136	The Tale of the Melon City	
137	Birth	
138	Birth	
139	Birth	
140	Report Writing	
141	Report Writing	
142	Narrative	
143	Narrative	
LITERARY CLUB DAY = 3 + STUDENT PRESENTATION = 3		

SUBJECT: MATHEMATICS

TOTAL NO. OF LECTURES: 122

DAYS	TOPICS
	CHAPTER-1 SETS No. of Lectures:10
Day 1	Introduction of sets and its types
Day 2	Ex 1.1 Q1, Q3, Q4 and Q5 and define Empty sets, finite & infinite set.
Day 3	Ex. 1.2 Q1, Q3, & Q5 and Definition of Subsets, Proper subsets and Interval of sets, & Universal sets
Day 4	Ex 1.3 Q1, Q3, Q4, Q6, Q7
Day 5	Venn Diagram, Union & Intersection of sets and Disjoint set also the concept of Difference of two sets and Ex 1.4 Q1, Q3, Q6, Q10, Q11
Day 6	Define Compliment of a set & its properties Ex. 1.5 Q1, Q2 (i) Q4, Q5
Day 7	Misc. Ex. Q1, Q3, Q5, Q8
Day 8	Misc. Ex. Q9, Q10, Q7, and example 23
Day 9	Revision and doubts and objective type Question
Day 10	Revision and doubts
	CHAPTER-2 RELATIONS AND FUNCTIONS No. of Lectures: 08
Day 11	Introduction of ordered pair and Cartesian product and properties Ex. 2.1 Q1, Q3, Q5, Q8
Day 12	Define Relation, Domain and Range and Co-Domain & Types of Relation
Day 13	Ex 2.2 Q1, Q3, Q5 & Q7

Day 14	Define Function and its types.
Day 15	Ex 2.3 Q2, Q3, Q5
Day 16	Misc. Ex. Q1, Q3, Q5
Day 17	Misc. Ex. Q8, Q12 and
Day 18	Revision and doubts & objective based on it.
	CHAPTER-3 TRIGONOMETRIC FUNCTIONS No. of Lectures:10
Day 19	Introduction of trigonometric function, positive angles & negatives angles, Degree and Radian Conversion & Ex. 3.1 – Q1, Q2
Day 20	Ex. 3.1 - Q5 & Q7 and Trigonometric Ratio and Trigonometric Tables
Day 21	Ex. 3.2 - Q1, Q6, Q9, Q10
Day 22	Trigonometric formula, Sum, Difference, Multiple and Sub-multiples, $\sin 3x, \cos 3x, \tan 3x$. $\sin 2x, \cos 2x, \tan 2x$
Day 23	Ex. 3.3 – Q1, Q3, Q5, Q7, Q11.
Day 24	Ex. 3.3 – Q16, Q21, Q23, Q25.
Day 25	Ex. 3.3 – Q22 & Examples 19 & 20
Day 26	Misc. Exercise:- Q1, Q4, Q7
Day 27	Misc. Exercise:- Q8 & Q10
Day 28	Revision and doubts & objective based on it.
	CHAPTER-4 COMPLEX NUMBERS & QUADRATIC EQUATIONS No. of Lectures:07
Day 29	Introduction of Complex number, addition, and subtraction & multiplication & division of complex numbers. Also multiplicative inverse of complex number.
Day 30	Ex. 4.1 – Q1, Q3, Q6, Q10, Q12
Day 31	Introduction of argand plane, Modulus & Conjugate of the complex number & its properties
Day 32	Misc. Ex. Q2, Q4, Q7, Q11, Q14
Day 33	Misc. Ex. Q10, and Introduction of Quadratic equation & problems based on it.
Day 36	Revision & doubts
Day 37	Objective based on it.
	CHAPTER-5 LINEAR INEQUALITIES No. of Lectures:05
Day 38	Introduction of Linear Inequalities & its types. Ex. 5.1 – Q1, Q4
Day 39	Ex. 5.1 – Q9, Q12, Q16, Q20
Day 40	Ex. 5.1 – Q21, Q23, Q26
Day 41	Misc. Exercise – Q1, Q3, Q6, Q8
Day 42	Misc. Exercise – Q12, Q13

	CHAPTER-6 PERMUTATIONS AND COMBINATIONS No. of Lectures:09
Day 43	Introduction of permutations & combination & Fundamental principle of counting & factorial
Day 44	Ex. 6.1 – Q1, Q3, Q5 and Ex. 6.2 – Q1, Q3, Q4
Day 45	Define Permutation, Theorem3, Theorem 4 & Ex. 6.3 – Q1, Q2
Day 46	Q4, Q7(i), Q9, Q10
Day 47	Define Combination and theorem 5 & Theorem 6 & Ex. 6.4 – Q1, Q3
Day 48	Q2, Q7, Q9 (Ex.- 6.4)
Day 49	Misc. Exercise Q1, Q3, Q5
Day 50	Misc. Ex. Q7, Q10, Q11
Day 51	Revision & doubts
	CHAPTER-7 BINOMIAL THEOREM No. of Lectures:05
Day 52	Introduction of Binomial Theorem, Pascal triangle & Ex. 7.1 – Q1 & Q5
Day 53	Ex 7.1 – Q7, Q10, Q12
Day 54	Ex. 7.1 – Q13, Q14
Day 55	Misc. Ex. – Q1, Q3
Day 56	Misc. Ex. – Q4, Q6
	CHAPTER-8 SEQUENCE AND SERIES No. of Lectures:09
Day 57	Introduction of sequence & Series Ex. 8.1 - Q1, Q5, Q10, Q11
Day 58	Introduction of G.P Ex. 8.2 – Q1, Q4, Q5(b)
Day 59	Ex. 8.2 – Q7, Q11, Q12, Q16, Q18
Day 60	Ex. 8.2 – Q22, Q23, Q27, Q29
Day 61	Ex. 8.2 – Q28, Q32
Day 62	Misc. Ex. – Q1, Q3, Q7
Day 63	Misc. Ex. – Q10, Q11, Q18
Day 64	Misc. Exercise – Revise
Day 65	Revision and doubts
	CHAPTER-9 STRAIGHT LINES No. of Lectures:10
Day 66	Introduction of the straight line, Distance formula, section formula, & Area of the triangle & slope of a line & angle between the lines
Day 67	Ex. 9.1 – Q1, Q4, Q7, Q9
Day 68	Ex. 9.1 – Q10, Ex. 9.2 – Q1, Q4, Q7 Ex. 9.2 – Q10, Q12, Q13, Q17
Day 69	Ex. 9.3 – Q1, Q2, Q4
Day 70	Ex. 9.3 – Q8, Q11, Q13, Q17
Day 71	Ex. 9.3 – Q15, & Q16

Day 72	Misc. Ex. – Q1, Q4, Q6
Day 73	Misc. Ex. – Q8, Q10, Q12
Day 74	Misc. Ex. – Q13, Q17, Q21
Day 75	Revision & doubts
	CHAPTER-10 CONIC SECTIONS No. of Lectures:10
Day 76	Basic of Conic Section and Circle Ex. 10.1 - Q1, Q5, Q7, Q10
Day 77	Ex. 10.2 – Q12, Q13, Q15
Day 78	Ex. 10.2 – Parabola (basic) & Q1, Q3, Q6
Day 79	Ex. 10.2 – Q7, Q9, Q11
Day 80	Ex. 10.3 – Ellipse(and its basic) Q1, Q6, Q8
Day 81	Ex.10.3 – Q10, Q12, Q15, Q19
Day 82	Ex. 10.4 – (Hyperbola) Q1, Q2, Q6
Day 83	Ex. 10.4 – Q7, Q10, Q12, Q15
Day 84	Misc. Exercise Q1, Q4, Q6
Day 85	Misc. Exercise Q8 & Revision and doubts
	CHAPTER-11 INTRODUCTION TO THREE DIMENSIONAL GEOMETRY No. of Lectures:04
Day 86	Introduction of 3D & Ex. 11.1 – Q1, Q3, Q4
Day 87	Ex. 11.2 – Q1 (i) Q2, Q5
Day 88	Misc. Ex. – Q1, Q3 & Q4
Day 89	Revision & doubts
	CHAPTER-12 LIMITS AND DERIVATIVES No. of Lectures:11
Day 90	Introduction of Limits & Algebra of limits Ex. 12.1 – Q1, Q4, Q8, Q12, Q14
Day 91	Ex. 12.1 – Q17, Q19, Q21, Q22
Day 92	Ex. 12.1 – Q23, Q25, Q28, Q31
Day 93	Ex. 12.2 – Q1, Q4, Q10
Day 94	Topic – Limit Q5, Q8, Q10
Day 95	Misc. Ex. – Q1, Q4, Q10
Day 96	Misc. Ex. – Q14, Q15, Q17, Q21
Day 97	Misc. Ex. – Q24, Q27, Q29, Q30
Day 98	Revision & doubts
Day 99	Objective Question based on it.
Day 100	Examples of Limits & derivative.
	CHAPTER-13 STATISTICS No. of Lectures:08
Day 101	Basic of statistics (about Mean, Median, Mean deviation about mean &

	median) Ex. 13.1 – Q1 & Q3 Ex. 13.1 – Q5, Q8
Day 102	Ex. 13.1 – Q9, Q11
Day 103	Ex. 13.2 – Q1, Q2 & Basic about variance and standard deviation
Day 104	Ex. 13.2 – Q6, Q7
Day 105	Ex(Miscellaneous Exercise) Q1, Q2, Q4
Day 106	Misc. Ex. – Q5
Day 107	Revision & doubts
	CHAPTER-14 PROBABILITY No. of Lectures:10
Day 108	Probability(basics) & sample space, events & types of events
Day 109	Ex. 14.1 – Q1 & Q3
Day 110	Ex. 14.2 – Q4 & Q5
Day 111	Ex. 14.3 – Q1, Q2, Q4
Day 112	Ex. 14.3 – Q6, Q8, Q10
Day 113	Ex. 14.3 – Q13, Q15, Q17, Q20
Day 114	Example 10 & Example 12
Day 115	Misc. Ex. – Q1, Q4
Day 116	Misc. Ex. – Q5, Q7
Day 117	Misc. Ex. – Q9, Q10
Day 118	Previous Year Paper No. of Lectures:05
Day 119	Previous Year Paper
Day 120	Previous Year Paper
Day 121	Previous Year Paper
Day 122	Previous Year Paper

SUBJECT: PHYSICS

Lecture	Topic	
Unit 1	Physical World And Measurement	(Marks = 07) Lectures = 20
L-1	Basics of Differentiate, Examples based on General formula of differentiation .	
L-2	Differentiation of Function, Trigonometric equations	
L-3	Product rule, Quotient rule .	
L-4	Basics of Integration , Formulas.	
L-5	Need for Measurement, Units of Measurement, System of Units .	
L-6	Dimensions, Dimensional formula	
L-7	To check the Correctness of the relation, To find relation between Physical quantities	
L-8	Continue with – To find relation between Physical quantities, convert one system into other system	

L-9	Numerical based on limitations of Dimension Analysis.
Chapter 2	Kinematics
L-1	Frame of reference, Rest, Motion. How rest and motion are relative terms?
L-2	Uniform & Non Uniform motion, Instantaneous Velocity, Accelerated motion .
L-3	Graphs (Velocity –time, Position- time)
L-4	Relations for uniformly accelerated motion (graphical treatment)
L-5	Numericals based on equations of Motion.
L-6	Numericals based on graphs .
L-7	Scalar & Vector quantities, Position and displacement vectors, some important definitions of Vectors, Unit Vector
L-8	Multiplication of a Vector by real number, Addition of Vector using triangle law.
L-9	Addition of Vectors by Parallelogram law & Polygon Law .
L-10	Numericals based on Addition of Vectors (Triangle, Parellelogram, Polygon)
L-11	Resolution of Vector in Plane & its numericals
L-12	Scalar Product & its Numericals
L-13	Vector Product & its Numericals
L-14	Projectile Motion, its Assumptions, Projectile motion when body is projected horizontally with initial velocity (μ)
L-15	Projectile motion when body is Projected at angle θ with horizontal Numericals
L-16	Uniform Circular motion, Uniform accelerated motion
L-17	Angular displacement , Angular Velocity, Angular acceleration, Find relation : $v=rw$
L-18	Find relation $a=r\alpha$, Centripetal acceleration and Centripetal force
L-19	Numericals based on Uniform Circular motion
Chapter 3	Laws of Motion
L-1	Intuitive concept of force, Inertia, Newton's First Law of Motion.
L-2	Momentum and Newton's Second Law of motion.
L-3	Impulse; Newton's third law of motion
L-4	Law of Conservation of Linear Momentum and its Applications.
L-5	Equilibrium of Concurrent forces, Static and Kinetic friction.
L-6	Laws of Friction, Rolling Friction, Lubrication
L-7	Centripetal Force, Vehicle on a level Circular road
L-8	Vehicle on a banked road
L-9	Numericals and revision (Based on Newton 2 nd Laws)
L-10	Smart Board Quiz, Class Test (Written)
L-11	Numericals based on Linear Momentum & Conservation of Linear Momentum
L-12	Numericals based on friction
L-13	Numericals based on connected motion & banking of road .

Chapter 4	Work, Power, Energy.
L-1	Work done by a constant force and a variable force;
L-2	Kinetic energy derivation and examples, numericals
L-3	Work energy theorem, numericals
L-4	Power, Potential energy .
L-5	Potential energy of a spring, numericals
L-6	Conservative and Non-Conservative forces .
L-7	Motion in Vertical Circle.
L-8	Elastic and Inelastic collisions in one and two dimensions.
L-9	Numericals and revision
L-10	Smart Board Quiz, Class Test (Written)
L-11	Numericals based on Power & Work
L-12	Objectives based on Collision and its properties, Work done
L-13	Numericals based on Energy
Chapter 5	Motion of System of Particles and Rigid bodies
L-1	Basic Concept of Centre of Mass & Derivation of Centre of mass of two particle system & numericals (Smart Board Presentation)
L-2	Concept of Momentum Conservation & Centre of Mass of a Rigid Body (Numericals included)
L-3	Moment of Force, Torque & its Cartesian form.
L-4	Concept of Angular Momentum & its Conservation, Applications
L-5	Smart Board Revision / Written Test (Presentation) of above Covered Lecture
L-6	Equilibrium of Rigid Bodies, Equations of Rotational Motion.
L-7	Relation between Linear & Rotational Motion, Moment of Inertia, Factors on which Moment of Inertia Depends.
L-8	Concept of Radius of gyration, & numericals of Topics covered
L-9	Moment of Inertia of basic geometrical objects & Quiz, Assignments from Smart board Content.
L-10	M.O.I Numericals
Chapter 6	Gravitation
L-1	Basic idea of Gravitation, Gravity, Difference between Gravitation & Gravity (Smart Board Presentation)
L-2	Universal Law of Gravitation & its Vector Form (Numericals included)
L-3	Acceleration due to Gravity & its Variation with Altitude (Numericals)
L-4	Variation of Gravity with Depth & Numericals
L-5	Gravitational Potential & Gravitational Potential Energy
L-6	Smart Board Revision/Presentation written test of above covered lecture.
L-7	Escape Velocity & Orbital Velocity of a Satellite.
L-8	Numericals of Escape & Orbital Velocity
L-9	Kepler's Laws of Planetary motion
L-10	Continued with Keplers laws of Planetary motion & its numericals
L-11	Assignments, Quiz Sheets from Smart Board Content.
L-12	Numericals based on Acceleration due to Gravity due to depth & Alt.

Unit 7	Properties of Bulk Matter
a)	Mechanical properties of Solids
L-1	Elastic behaviours, Stress and its types, Strain and its types . Stress- Strain relation graph.
L-2	Hooke's law, Modulus of Elasticity
L-3	types of Modules of Elasticity
L-4	Numericals on Hooke's Law (Young's Modulus , Bulk Modulus & Modulus of Elasticity)
b)	Mechanical properties of Fluid
L-5	Pressure due to a Liquid Column & Pascal's law
L-6	Numericals on Pascal's law
L-7	Applications of Pascal's Law (Hydraulic lift and Hydraulic brakes
L-8	Viscosity, Stoke's law
L-9	Terminal velocity & numericals
L-10	Stream line, Turbulent Flow & Critical Velocity
L-11	Reynold's number & numericals on previous topics
L-12	Bernoulli's theorem
L-13	Applications of Bernoulli's theorem & numericals
L-14	Surface energy, Surface tension,
L-15	Angle of contact and rise of Capillary.
L-16	Pressure inside liquid drop, bubble & Curved Surfaces
c)	Thermal
L-17	Heat, Temperature & Thermal Expansion
L-18	Coefficient of thermal expansion types & relations .
L-19	Numericals on previous topics.
L-20	Anomalous expansion of water, specific heat, its types
L-21	Relation b/w Cp, Cv, Calorimetry, Change of State.
L-22	Latent heat Capacity & modes of heat transfer
L-23	Qualitative idea of Black body radiation, Wein's displacement law, Stefan's law .
Unit 8	Thermodynamics
L-1	Introduction, Thermal Equilibrium, definition of temperature.
L-2	Zeroth law of thermodynamics, heat, work and Internal Energy
L-3	First law of thermodynamics, Limitations of 1 st Law of thermodynamics
L-4	Second law of thermodynamics, Numericals
L-5	Gases State of matter Change of Condition
L-6	Numericals, Revision (Smart Board Presentation)
L-7	Objectives based on Thermal Equilibrium, Laws of thermodynamics.
Unit 9	Kinetic Theory of gases
L-1	Equation of State of Perfect Gas, Work done on compressing a gas, P-V diagram.
L-2	Assumptions of kinetic theory of Gases, Concept of Pressure .
L-3	Pressure exerted by a gas.
L-4	Kinetic interpretation of temperature, R.M.S Speed of gas molecules, Degree of freedom

L-5	Law of equi-partition of energy (Statement only). Application to specific heat capacities of gases.
L-6	Concept of mean free path. Avogadro's number
L-7	Revision (Smart Board Presentation)
L-8	One mark questions of Kinetic theory based on its postulates.
Unit 10	Oscillations & Waves
	Chapter – 14 Oscillations
L-1	Periodic Motion, Oscillatory Motion, Comparison between Periodic and Oscillatory Motion.
L-2	Time Period, Frequency, Displacement as a function of time.
L-3	Periodic functions and their applications.
L-4	S.H.M and its Equation of motion. Related terms.
L-5	Phase Oscillations of a Loaded Spring- restoring force and force constant.
L-6	Energy in S.H.M . Kinetic and Potential Energies.
L-7	Simple Pendulum derivation of expression for its time period.
L-8	Loaded Spring
L-9	Revision
	Chapter- 15 Waves
L-1	Transverse and Longitudinal waves
L-2	Speed of travelling waves, displacement relation for a progressive wave.
L-3	Principle of Super position of Waves, Reflection of Waves
L-4,5	Standing Waves in Strings and Organ Pipes.
L-6	Fundamental mode and harmonics
L-7	Beats and their applications
L-8	Numericals and test through Smarty Board Presentation
L-9	Numericals based on beats.
L-10	Objectives based on whole Chapter
	Total No. of Days - 132

SUBJECT: CHEMISTRY

THEORY: 70 PRACTICAL: 30 INTERNAL: 10 , EXTERNAL: 20
TOTAL MARKS: 100

UNIT 1	Some Basic Concepts of Chemistry	(Marks = 07) Lectures = 19
LECTURE 1	Introduction to the unit & Importance and Scope of Chemistry	
LECTURE 2	Historical Approach of states of matter.	
LECTURE 3	Scientific notation, significant figures	
LECTURE 4	Law of conservation of mass with Numericals	
LECTURE 5	Law of definite proportion.	
LECTURE 6	Law of multiple proportion.	
LECTURE 7	Law of Reciprocal proportion.	
LECTURE 8	Gay Lussac's Law. Avagadro's Law.	

LECTURE 9	Dalton's Atomic Theory
LECTURE 10	Modern Atomic Theory
LECTURE 11	Atomic mass & molecular mass
LECTURE 12	Mole Concept
LECTURE 13	Mole Concept & molar mass.
LECTURE 14	Percent composition & stoichiometry
LECTURE 15	Empirical formula & molecular formula.
LECTURE 16	Empirical formula & molecular formula.
LECTURE 17	Concentration terms & numericals.
LECTURE 18	Concentration terms & numericals.
LECTURE 19	NCERT Questions
UNIT 2	Structure of Atom (Marks = 09) Lectures = 22
LECTURE 1	Introduction, Cathode rays, Charge & mass of electron.
LECTURE 2	Anode Rays, Discovery of Proton.
LECTURE 3	Discovery of Neutron .
LECTURE 4	Thomson's Model . Rutherford's scattering experiment & its Limitations
LECTURE 5	Atomic Mass. Atomic Number, Isotopes, Isobars, Isotones.
LECTURE 6	Wave nature of electromagnetic radiation.
LECTURE 7	Black body radiation & Photoelectric effect.
LECTURE 8	Explanation on basis of Planck's Quantum Theory .
LECTURE 9	Emission & Absorbtion spectra.
LECTURE 10	Emission & Absorbtion spectra.
LECTURE 11	Hydrogen line spectrum.
LECTURE 12	Bohr's Model of Atom
LECTURE 13	Bohr's Model, de- Broglie equation.
LECTURE 14	Heisenberg's uncertainty principle.
LECTURE 15	Quantum mechanical model.
LECTURE 16	Quantum numbers.
LECTURE 17	Quantum numbers & Intext Questions
LECTURE 18	Shapes of orbitals .
LECTURE 19	Hund's Rule , Pauli's Exclusion principle .
LECTURE 20	Aufbau's Rule .
LECTURE 21	Electronic configuration & Stability of half filled & fully filled orbitals.
LECTURE 22	NCERT Questions
UNIT 3	Classification of Element & Periodicity In Properties (Marks = 06) Lectures = 12
LECTURE 1	Introduction, Dobernier Triads, Newland's law of octave.
LECTURE 2	Mendleev's periodic table
LECTURE 3	Modern periodic table
LECTURE 4	Classification of S, & p and their characteristics.
LECTURE 5	Characteristics of d and f –block elements .

LECTURE 6	Prediction of Atomic no. Of elements in periodic table and IUPAC names of elements having atomic no. Above 100 and intext question.
LECTURE 7	Atomic radii & Ionic radii
LECTURE 8	Trend of Atomic/ Ionic radii in Periodic table.
LECTURE 9	Ionisation Enthalpy
LECTURE 10	Electron gain enthalpy
LECTURE 11	Electro negativity, oxidation state & valency
LECTURE 12	NCERT exercise
Unit 4	Chemical Bonding & Molecular Structure (Marks = 07) Lectures = 20
LECTURE 1	Introduction: Kossel & lewis approach. Octet Rule
LECTURE 2	Octet rule and limitation, Electrovalency.
LECTURE 3	Electrovalent/Ionic bond . Factors affecting Ionic bond .
LECTURE 4	lattice enthalpy, Covalent bond characteristics etc
LECTURE 5	Bond parameters (Bond angle, Bond enthalpy)
LECTURE 6	Bond parameters (Bond length) & intext questions
LECTURE 7	Formal charge & lewis structure
LECTURE 8	Resonance
LECTURE 9	Polarity and dipole moment, Fazan's Rule
LECTURE 10	VSEPR theory
LECTURE 11	Shapes of molecules based on VSEPR theory & Intext Questions
LECTURE 12	Valance bond theory
LECTURE 13	VBT, Sigma & Ri bond
LECTURE 14	Hybridisation
LECTURE 15	Hybridisation involving d- orbitals.
LECTURE 16	Molecular orbital theory, concept of LCAO, B.M.O & A.B.M.O's
LECTURE 17	Molecular orbital diagrams for different molecules like H ₂ , He ₂ , O ₂ , & N ₂ , etc.
LECTURE 18	Molecular orbital diagrams
LECTURE 19	hydrogen bonding, types and significance
LECTURE 20	NCERT Questions
Unit 5	Thermodynamics (Marks = 09) Lectures = 11
LECTURE 1	Universe, Surroundings and System. Types of systems
LECTURE 2	Extensive & Intensive properties etc
LECTURE 3	Work (Expansion& non-expansion) Internal energy
LECTURE 4	.First law of thermodynamics
LECTURE 5	Enthalpy
LECTURE 6	Types of Enthalpies
LECTURE 7	Hess's law
LECTURE 8	Born-Hober's cycle& intext questions.
LECTURE 9	Spontaneous & Non-spontaneous processes .2 nd law of thermodynamics

LECTURE 10	Entropy	
LECTURE 11	Gibbs free energy. 3 rd law of thermodynamics	
Unit 6	Equilibrium	(Marks = 07) Lectures = 16
	Chemical equilibrium	
LECTURE 1	Physical and Chemical equilibrium and types of Physical Equilibrium	
LECTURE 2	Characteristics of physical & chemical equilibrium.	
LECTURE 3	Law of mass action & law of chemical equilibrium	
LECTURE 4	Relationship between K_p & K_c	
LECTURE 5	Characteristics of eqb. Constant K. Application of eqb. constant K.	
LECTURE 6	Le- Chatelier's principle	
LECTURE 7	Application of Le- Chatelier's principle	
	Ionic Equilibrium	
LECTURE 8	Concepts of electrolytes- Strong & Weak .	
LECTURE 9	Concepts of Acids & bases and Intext questions.	
LECTURE 10	Dissociation constant of Weak acids (Ostwald's dilution law) &	
LECTURE 11	Ionization product of water	
LECTURE 12	Strength of Acids & bases	
LECTURE 13	Salt hydrolysis & pH and its numericals	
LECTURE 14	Common Ion effect	
LECTURE 15	Solubility Product	
LECTURE 16	Buffer solution& NCERT Exercise	
Unit 7	Redox Reaction	(Marks = 04) Lectures = 06
LECTURE 1	Different definition of oxidation and reduction	
LECTURE 2	Types of Redox reaction	
LECTURE 3	Finding oxidation number& Intext Questions.	
LECTURE 4	Balancing of Redox reactions	
LECTURE 5	Balancing of Redox reactions and Intext Questions.	
LECTURE 6	Electrochemical cell, Electrode Potential & Titration	
Unit 8	Organic Chemistry- Some basic Principle & Techniques	(Marks = 11) Lectures = 22
LECTURE 1	Introduction, tetra valency, catenation, σ & π bonds	
LECTURE 2	IUPAC nomenclature	
LECTURE 3	IUPAC nomenclature	
LECTURE 4	IUPAC nomenclature	
LECTURE 5	IUPAC nomenclature	
LECTURE 6	IUPAC nomenclature	
LECTURE 7	IUPAC nomenclature& Intext Questions.	
LECTURE 8	Structural Isomerism	
LECTURE 9	Geometrical Isomerism	
LECTURE 10	Organic reaction mechanism, Nucleophile Electrophile, Electron displacement, Fission of a covalent bond	

LECTURE 11	Inductive effect	
LECTURE 12	Electrometric effect	
LECTURE 13	Resonance, Resonance effect	
LECTURE 14	Hyper conjugation	
LECTURE 15	Reaction intermediate: Carbocation Types Structure & Stability	
LECTURE 16	Carbanion: Types, Structure & Stability	
LECTURE 17	Free Radical: Types, Structure & Stability	
LECTURE 18	Types of Reaction	
LECTURE 19	Types of Reaction	
LECTURE 20	Methods of purification	
LECTURE 21	Qualitative analysis	
LECTURE 22	Quantative Analysis	
Unit 9	Hydrocarbons	(Marks = 10) Lectures = 11
LECTURE 1	Preparation of Alkanes & its Physical properties	
LECTURE 2	Chemical Properties of Alkanes	
LECTURE 3	Preparation & Physical properties of Alkanes	
LECTURE 4	Chemical properties of Alkanes	
LECTURE 5	Chemical properties of Alkanes & Intext Questions.	
LECTURE 6	Preparation & Chemical Properties of Alkenes	
LECTURE 7	Benzene, Structure & Stability, Preparation & Chemical properties of Alkyne	
LECTURE 8	Aromaticity & preparation of benzene	
LECTURE 9	Electrophilic Substitution Reaction	
LECTURE 10	Electrophilic Substitution Reaction & Intext Questions	
LECTURE 11	Ortho and para directing groups	

SUBJECT: ENVIRONMENT SCIENCE

Theory: 70 Marks

Max. Marks: 100

Practical: 30 Marks

Internal: 10 Marks, External: 20 Marks

Total Units: 10		Weightage
Units – 1	Understanding Environment	07 Marks
Units – 2	Ecology	07 Marks
Units – 3	Ecological Adaptations and Interactions	07 Marks
Units – 4	Population Ecology	07 Marks
Units – 5	Energy Resources	07 Marks
Units – 6	Earth Environment and Natural Disasters	07 Marks
Units – 7	Environmental Education and awareness	07 Marks
Units – 8	Environmental Health	07 Marks
Units – 9	Natural Resources	07 Marks
Units – 10	Managing Agriculture	07 Marks
Total		70 Marks

UNIT – 1		Understanding Environment	7 Marks
1 Lecture	Concept of Environment and its types : Physical Biological Social Environment		
1 Lecture	Scope and Importance of Environmental Science		
1 Lecture	Components of Environment ➤ Lithosphere ➤ Hydrosphere		
1 Lecture	➤ Atmosphere ➤ Biosphere		
	Origin of Earth		
2 Lectures	(a) Evolutionary or Natural theories		
1 Lecture	(b) Catastrophic theories		
1 Lecture	Human and Environment relationship		
1 Lecture	Revision and Class Test		
1 Lecture	Assignments :-		
	Why environmental protection Act (1986), was framed and necessary ? Write some latest scope fields in environmental Studies ?		1 Lecture
	Total Lectures = 10 Lectures		
UNIT – 2		Ecology	7 Marks
1 Lecture	Ecology ➤ Definition ➤ Its types		
1 Lecture	Concept and Structure of Ecosystem		
1 Lecture	Types of ecosystem:		
1 Lecture	Structure of Ecosystem		
1 Lecture	Components of Ecosystem		
	Trophic Relationship		
1 Lecture	Food chain Food Web		
1 Lecture	Ecological Pyramids		
2 Lectures	Concept of Ecological Succession Types : Primary and Secondary Succession		
3 Lectures	Stages of Succession : Primary Climax		
1 Lecture	Revision and Class Test		
1 Lecture	Assignments :-		
	Observe a nearby Waterbody in your locality, Study about its current status and past status ?		
	Differentiate between Primary and Secondary Succession		
	Total Lectures = 14 Lectures		

UNIT – 3		Ecological Interactions and Adaptations	7 Marks
1 Lecture	Concept of Ecological Interactions and its types		
1 Lecture	Interspecific Interactions and types Positive Interactions Mutualism Protocooperation		
1 Lecture	Commensalism Symbiosis		
1 Lecture	Scavenging		
2 Lectures	Intra specific Interactions Cooperation Competitive		
1 Lecture	Adaptation Concept		
1 Lecture	Need of Adaptations		
1 Lecture	Types of Adaptations Wind		
1 Lecture	Light Temperature		
1 Lecture	Revision and Class Test		
1 Lecture	Assignments :-		
	Enlist the animals on the basis of Short day animals, Long day animals and Day Neutral animals.		
	Total Lectures = 12 Lectures		
UNIT – 4		Population Ecology	7 Marks
1 Lecture	Concept of Species ➤ Population ➤ Communities		
1 Lecture	Population Dynamics ➤ Population Size ➤ Density		
1 Lecture	➤ Dispersion ➤ Natality		
1 Lecture	➤ Age ➤ Structure		
1 Lecture	Survivorship Curve		
1 Lecture	r and k- Selection Life Tables		
	Population Growth		
1 Lecture	Exponential Growth		
1 Lecture	Logistic Growth		
	Factors Regulating Growth		
1 Lecture	➤ Competition		

	<ul style="list-style-type: none"> ➤ Weather ➤ Climate
1 Lecture	<ul style="list-style-type: none"> ➤ Territory ➤ Predation ➤ Natural disaster ➤ Diseases
	Human Population Growth
1 Lecture	Malthusian theory Non- Malthusian theory
1 Lecture	Demographic Transition
1 Lecture	Revision and Class Test
1 Lecture	Assignments :-
	Differentiate between r and k selection
	Explain Demographic transition in India.
	Total Lectures = 14 Lectures
UNIT – 5	Energy resources 7 Marks
	Concept of Energy Resources
1 Lecture	Classification <ul style="list-style-type: none"> ➤ Conventional
1 Lecture	<ul style="list-style-type: none"> ➤ Non - Conventional
	Non-renewable energy resources
1 Lecture	<ul style="list-style-type: none"> ➤ Coal ➤ Petroleum
1 Lecture	<ul style="list-style-type: none"> ➤ Natural Gas
1 Lecture	Limitations of Non- Renewable Resources
1 Lecture	Renewable Energy Resources <ul style="list-style-type: none"> ➤ Solar energy
2 Lectures	<ul style="list-style-type: none"> ➤ Wind Energy ➤ Hydro power Energy
1 Lecture	Nuclear Energy Uses, Types, Limitations
1 Lecture	Biofuel <ul style="list-style-type: none"> ➤ Bio mass
	Types
1 Lecture	Primary
1 Lecture	Secondary
1 Lecture	Revision and Class Test
1 Lecture	Assignments :-
	Explain growing needs in India in reference to Urban and Rural area.
	Total Lectures = 14 Lectures
UNIT – 6	Earth's Environment and Natural Disasters 7 Marks
	Atmosphere, Structure & Composition
1 Lecture	<ul style="list-style-type: none"> ➤ Structure ➤ Troposphere

	<ul style="list-style-type: none"> ➤ Stratosphere
1 Lecture	<ul style="list-style-type: none"> ➤ Mesosphere ➤ Thermosphere
1 Lecture	Hydrosphere <ul style="list-style-type: none"> ➤ Distribution ➤ Hydrological Cycle
1 Lecture	Global Water Cycle
1 Lecture	Biological Water Cycle
1 Lecture	Lithosphere : Structure <ul style="list-style-type: none"> ➤ Structure of Earth's interior
	Biochemical cycles
1 Lecture	Carbon Cycle
1 Lecture	Nitrogen Cycle
1 Lecture	Phosphorus Cycle
	Natural Disasters
1 Lecture	<ul style="list-style-type: none"> ➤ Earthquakes ➤ Floods
1 Lecture	<ul style="list-style-type: none"> ➤ Volcanoes ➤ Landslides
1 Lecture	Revision and Class Test
1 Lecture	Assignments :-
	Why Earth is known as Blue Planet ?
	Draw and Practice the various Biogeochemical Cycles
	What are the different measures we should practice during natural disasters
	Total Lectures = 13 Lectures
UNIT – 7	Environmental Education & Awareness 7 Marks
1 Lecture	Concept of Environmental Education
1 Lecture	Need of Environmental Education
1 Lecture	Formal and Informal means of Environmental Education
1 Lecture	Modes of Environmental Awareness
1 Lecture	Role of NGO's
	Environmental Movements
1 Lecture	Chipko movement in India
1 Lecture	Narmada Bachao Andolan Appiko Movement
1 Lecture	Assignments :-
	Write and give some NGO's present in J&K .
	Why these environmental movements necessary ?
	Total Lectures = 8 Lectures
UNIT – 8	Environment Health 7 Marks
1 Lecture	<ul style="list-style-type: none"> ➤ Concept of Health and Disease ➤ Types of diseases

1 Lecture	Water borne disease ➤ Cholera ➤ Hepatitis
1 Lecture	➤ Typhoid
2 Lectures	Soil – Borne Diseases ➤ Tetanus ➤ Botulism
1 Lecture	Air- Borne Diseases ➤ Influenza
1 Lecture	➤ Tuberculosis
2 Lectures	Occupational Diseases ➤ Silicosis ➤ Asbestosis
1 Lecture	Revision and Class Test
1 Lecture	Assignments :-
	Draw a Table containing all causative agents of different types of diseases.
	Revision and Class Test
	Total Lectures = 11 Lectures
UNIT – 9	Natural Resources 7 Marks
2 Lectures	Forest Resources ➤ types of forest resources in India ➤ Uses of forest resources
3 Lectures	Animal resources ➤ Fish as a resource ➤ Livestock as resource
2 Lectures	Water resources ➤ Fresh Water Resource ➤ Marine Water Resource
2 Lectures	Mineral resources ➤ Types ➤ Uses
2 Lectures	Medicinal Plants
1 Lecture	With Special reference to J&K
1 Lecture	Revision and Class Test
1 Lecture	Assignments :-
	Explain and give examples of various resource.
	What are the various types of resources in J&K ?
	Total Lectures = 14 Lectures
UNIT – 10	Managing Agriculture 7 Marks
2 Lectures	➤ Concept of Traditional Agriculture ➤ Concept of Modern Agriculture
1 Lecture	Green Revolution
1 Lecture	White revolution
2 Lectures	Pesticides : types, Advantages and disadvantages

2 Lectures	Fertilizer : Types of fertilizer, Advantages and Disadvantages
2 Lectures	Integrated Pest Control
1 Lecture	Food Security & Pillars
1 Lecture	Revision and Class Test
1 Lecture	Assignments :-
	How we can replace chemical fertilizers with Biofertilizer
	Total Lectures= 13

SUBJECT: PHYSICAL EDUCATION

Chapter 1st	CONCEPT OF PHYSICAL EDUCATION 7 MARKS
Day 1	Introduction of Physical Education
Day 2	Meaning and definition of Physical Education
Day 3	Aims and objectives of Physical Education
Day 4	Need and Importance of Physical Education
Day 5	Misconception about Physical Education
Day 6	Old Concept of Physical Education
Day 7	Modern concept of Physical Education
Day 8	Discuss the relationship of Physical Education with general education .
Day 9	15 Multiple Choice Questions from Lesson No. 1
Chapter 2nd	PHYSIOLOGICAL ASPECTS OF PHYSICAL EDUCATION 7 MARKS
Day 10	Meaning and definition of Physiology
Day 11	Skeletal or Boney System & Joints .
Day 12	Effects of exercise on Skeletal system
Day 13	Muscular System and types of Muscles.
Day 14	Functions of Muscle.
Day 15	Effects of exercise on Muscular System
Day 16	Introduction of Circulatory System (Mechanism of Heart)
Day 17	Functions of Heart
Day 18	Terms related to Heart
Day 19	Effects of exercise on Circulatory system
Day 20	Mechanism of Respiratory system
Day 21	Terms related to Respiratory System.
Day 22	Effects of exercise on Respiratory system
Day 23	Human Digestive system
Day 24	Effects of exercise on digestive system
Day 25	Multiple Choice Questions from Lesson 2 nd .
Chapter 3rd	PSYCHOLOGICAL ASPECTS OF PHYSICAL EDUCATION 7 MARKS
Day 26	Meaning and definition of Psychology
Day 27	Meaning and definition of Sports Psychology
Day 28	Need and Importance of Sports Psychology
Day 29	Meaning of Motivation and Types

Day 30	Theories of Motivation
Day 31	Meaning of Achievement . Relationship of Motivation and Achievement
Day 32	Sports Ethics and Sportsmanship
Day 33	Multiple Choice Questions
Chapter 4th	CAREER OPTIONS IN PHYSICAL EDUCATION 7 MARKS
Day 34	Meaning and definition of Career
Day 35	Career option in Physical Education
Day 36	Avenues for career preparation in Physical Education
Day 37	Qualities required for making a Career in Physical Education/ Self Assessment for Career in Physical Education.
Day 38	Eligibility courses for school/colleges teachers
Day 39	Characteristics of Coach/ Health Educator.
Day 40	Multiple Choice Question from Lesson No. 4
Chapter 5th	HEALTH EDUCATION 7 MARKS
Day 41	Meaning and definition of Health and Health Education
Day 42	Objectives and Importance of Health Education
Day 43	Scope and Principles of Health Education
Day 44	Effects of Alcohol on Individual/ Family/ Sports Person
Day 45	Effects of Tobacco on Individual/ Family/ Sports Person
Day 46	Drugs and its types
Day 47	Effects of drugs on Individual/ Sports Person/ Community
Day 48	Community Health Programmes
Day 49	Hypertension and Stress Management
Day 50	Multiple Choice Question from Lesson No. 5
Chapter 6th	CONCEPTS OF MAJOR GAMES/SPORTS 7 Marks
Day 51	Meaning of Physical fitness test
Day 52	Introduction and Concept of Standard Track
Day 53	Long Jump (History, Dimension and Rules)
Day 54	Shot put (History, Dimension and Rules)
Day 55	Running Events :
	Kho-Kho
Day 56	History and measurement of kho-kho
Day 57	Skill and terminology of kho-kho
Day 58	Rules and regulations of kho-kho
Day 59	Practical Work (Fake Kho, Pole Dive, Line Cut, Minus Kho)
	Badminton
Day 60	History and measurement of Badminton
Day 61	Skill and terminology of Badminton
Day 62	Rules and regulations of Badminton
Day 63	Practical Work

	Kabaddi
Day 64	History and measurement of Kabaddi
Day 65	Skill and terminology of Kabaddi
Day 66	Rules and regulations of Kabaddi
Day 67	Practical Work
	Handball
Day 68	History and measurement of Handball
Day 69	Skill and terminology of Handball
Day 70	Rules and regulations of Handball
Day 71	Practical Work
	Hockey
Day 72	History and measurement of Hockey
Day 73	Skill and terminology of Hockey
Day 74	Rules and regulations of Hockey
Day 75	Practical Work
	Archery
Day 76	History and measurement of Archery
Day 77	Skill and terminology of Archery
Day 78	Rules and regulations of Archery
Day 79	Revision of Games and Sports
Chapter 7th	NATIONAL GAMES 7 Marks
Day 80	National Events ➤ Independence Day ➤ Republic Day
Day 81	National Award Arjuna Award
Day 82	Dronacharya Award
Day 83	Dhyan Chand Award
Day 84	Major Dhyan Chand Khel Rattan Award
Day 85	Maulana Abul Kalam Azad Trophy (MAKA)
Day 86	Civilian Awards: Bharat Ratna
Day 87	Padma Award
Day 88	National Sports Promotion Award
Day 89	School Game Federation of India
Day 90	Multiple Choice Question from Lesson No. 7
Chapter 8th	OLYMPIC GAMES 7 Marks
Day 91	Ancient and Modern History of Olympic Games
Day 92	Paraolympic Games
Day 93	Summer and Winter Olympic Games.
Day 94	Opening and Closing Ceremony of Olympic Games
Day 95	Olympic ideals, objectives and the Olympic values
Day 96	Olympic Village, Rings and Olympic Flags
Day 97	Olympic Torch, Motto and Oath

Day 98	Multiple Choice Question from Lesson No. 8
Chapter 9th	DIET AND ITS IMPORTANCE IN PHYSICAL DEVELOPMENT 7 Marks
Day 99	Meaning and definition of Diet and Balance Diet
Day 100	Functions of Balance diet
Day 101	Components of Balance diet: Macro Components: <ul style="list-style-type: none"> ➤ Carbohydrates ➤ Fats ➤ Proteins
Day 102	Macro Components: <ul style="list-style-type: none"> ➤ Vitamins ➤ Minerals ➤ Water
Day 103	Factors affecting diet
Day 104	Role of diet in the Performance of Sports Person
Day 105	Obesity and its types
Day 106	Causes of obesity
Day 107	Preventive measures of obesity
Day 108	Effects of obesity on health of sports person
Day 109	Physical fitness and its components
Day 110	Body Mass Index (BMI)
Day 111	Diet during Preparatory Period Competition and Transition Period
Day 112	Multiple Choice Question from Lesson No. 9
Chapter 10th	COMMON SPORTS INJURIES AND REHABILITATION 7 Marks
Day 113	Meaning and definition of Sports Injuries
Day 114	Classification of sports Injuries <ul style="list-style-type: none"> ➤ Soft Tissue Injuries (Sprain) ➤ Major Injuries (Strain)
Day 115	Minor Injuries (Laceration, Abrasion, Contusion, Incision, Blister)
Day 116	Hard Tissue Injuries- Fracture and its types
Day 117	Dislocation and Treatment of Dislocation
Day 118	Causes of Sports Injuries
Day 119	Preventive measures of sports injuries
Day 120	First Aid and treatment for Sports Injuries
Day 121	Rehabilitations for Sports Injuries
Day 122	R.I.C E Method
Day 123	Acute and Chronic Injuries
Day 124	Meaning and types of Camping.
Day 125	Equipment used in Camping
Day 126	Meaning and Types of trekking
Day 127	Doping and Types of Doping
Day 128	Drugs used in Doping

Day 129	Meaning and definition of Sports Medicine
Day 130	Importance of Sports Medicine
Day 131	Prevention of Drugs addiction
Day 132	Scope of Sports Medicine
Day 133	Multiple Choice Question from Lesson No. 10

SUBJECT: COMPUTER SCIENCE

UNIT - 1	COMPUTER FUNDAMENTALS 10 Marks
1 day	Introduction to Computer and IT
1 day	Block Structure Diagram of a Computer System
1 day	Description of Functional Components of Computer System
1 day	Functions of Computer System
2 days	History of Computers
2 days	Generations of Computers
2 days	Input devices : Keyboard , Mouse Scanner , BCR, OMR, OCR, MICR, Joystick, Mic
2 days	Output devices : Monitor , Printer, Speaker, Plotter
1 day	Introduction to Memory (Memory Chart)
2 days	Types of Memory (Primary Memory , Secondary Memory, Cache Register)
1 day	Units of Memory
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 18
UNIT - 2	SOFTWARE CONCEPTS 10 Marks
1 day	Introduction to Software
2 days	Hardware and Peripheral Devices
3 days	System Software and its types
3 days	Operating System and its function
2 days	Language Processor and its types
2 days	Computer language & its types
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 15
UNIT - 3	NUMBER SYSTEM 10 Marks
1 day	Introduction to Number System
2 days	Types of Number System
4 days	Conversion Decimal – Binary Decimal – Octal Decimal – Hexadecimal

4 days	Conversion Binary – Decimal Binary – Octal Binary – Hexadecimal
4 days	Conversion Binary – Octal Octal -Binary Octal – Hexadecimal Using Short- Hand Method
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 17
UNIT -4	PROGRAMMING METHODOLOGY 10 Marks
2 days	Concept of program & Programming
2 days	Characteristics of a good program
1 day	Concept of Modular Approach
1 day	Benefits of Modular Approach
4 days	Program Documentation (Internal & External Documentation)
1 day	Benefits of Program Documentation
1 day	Program Maintenance
3 days	Error & its types

Max Marks = 100
Theory = 70
Practical Internal = 10
Practical External = 20

2 days	Debugging & Techniques of Debugging
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 19
UNIT -5	INTRODUCTION TO PYTHON 10 Marks
1 day	Introduction to Python
2 days	Origin / History of Python
2 days	Advantages and Disadvantages of Python
1 day	Python Character Sets
3 days	Tokens and its types
1 day	Input and Print Statement
2 days	Comments and its types
1 day	Concept of Variables
1 day	Rules for Naming a Variable
2 days	Python Program (Basic)

2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 18
UNIT -6	DATA TYPES AND OPERATORS 10 Marks
1 day	Built in Datatypes in Python (Chart)
6 days	Number, String, list, Tuple, Dictionary Boolean with Example Program
2 days	Type () function with Program
2 days	Type Casting with Program
1 day	Introduction to Operator (Chart)
4 days	Types of all the operators with Program
2 days	Programs on this Related Unit.
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 20
UNIT -7	STRING IN PYTHON 10 Marks
1 day	Introduction to String
1 day	Defining and Assigning String
2 days	Types of String (Single & Multi-line)
3 days	String function and its Programs
1 day	Introduction to String Slicing
3 days	Program for Slicing with all the four System
3 days	Escape Character in a string
3 days	Program Related to this Unit
3 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 20

SUBJECT: BIOLOGY

SECTION – A (BOTANY)		TOTAL MARKS = 35
Unit-I	Diversity of Life	09 Marks
Unit-II	Kingdom Plantae	09 Marks
Unit-III	Plant Anatomy	05 Marks
Unit-IV	Plant Physiology	12 Marks
SECTION – B (ZOOLOGY)		TOTAL MARKS = 35
Unit-I	Diversity of Living World	08 Marks
Unit-II	Structural organisation and Animal Biomolecules	07 Marks
Unit-III	Cell Structure and Function	08 Marks
Unit-IV	Human Physiology	12 Marks
SECTION – A (BOTANY)		M.MARKS – 35 MARKS
UNIT I	“DIVERSITY OF LIFE”	MARKS= 9 LECTURE - 20
	BIODIVERSITY : Living organisms - Characteristics	3 Lectures

	Need and History of Classification: <ul style="list-style-type: none"> ➤ Artificial Classification ➤ Natural Classification ➤ Phylogenetic Classification 	}	1 Lecture
	BIOSYSTEMATICS : <ul style="list-style-type: none"> ➤ Taxonomy ➤ Systematics 		1 Lecture
	Concept of Species		
	Taxonomical Hierarchy		1 Lecture
	Bionomical Nomenclature		1 Lecture
	Herbarium		1 Lecture
	Home Assignment :- 1) Differentiate between Taxonomy and Systematics. 2) Give an Suitable example of a plant and Animal to illustrate the taxonomical hierarchy		
	Two Kingdom Classification : <ul style="list-style-type: none"> • Animalia Kingdom • Plantae Kingdom • Merits and Demerits of two kingdom classification. 		1lecture 1lecture
	Five Kingdom Classifications: <ul style="list-style-type: none"> • General characters and classifications of: <ol style="list-style-type: none"> 1) Monera 2) Protista 3) Fungi • Lichens, Bacteriophage • Viruses and Viroids 		3lectures 3lectures 2 lectures 1lecture 1lecture
	Assignments:- 1) Deuteromycetes are commonly known as Imperfect fungi. Why? 2) Give the difference between the plasmodium of Slime Moulds and Plasmodium of sporozoans.		
UNIT II	“KINGDOM PLANTAE”		MARKS= 9 LECTURE - 7
	Total – 7 Lectures		
	<ul style="list-style-type: none"> ➤ Classification of Plants into major groups: ➤ General Characters of: <ul style="list-style-type: none"> • ALGAE: <ol style="list-style-type: none"> 1. Chloephyceae 2. Phaeophyceae 3. Rhodophyceae • BRYOPHYTA <ol style="list-style-type: none"> 1. Liverworts 		2 Lectures 2 Lectures

	2. Mosses <ul style="list-style-type: none"> • PTERIDOPHYTES • GYMNOSPERMS 		1 Lecture 2 Lectures
	Assignment:- 1) Both gymnosperms and angiosperms bear seeds then why are they classified separately. 2) Differentiate between Red Algae, Green Algae and Brown Algae. 3) Differentiate between Homosporous and Heterosporous Pteridophytes. 4) Draw a well labeled Life cycle of Heterosporous Pteridophytes.		
	Total – 12 Lectures		
	<ul style="list-style-type: none"> ➤ Morphology of flowering plants and their functions: <ul style="list-style-type: none"> • Morphology of: <ol style="list-style-type: none"> I) Roots <ol style="list-style-type: none"> a) Zones of Root b) Types II) Stem: <ul style="list-style-type: none"> Types of stem. III) LEAF: <ul style="list-style-type: none"> Structure and functions • Venation and its types. • Types of Leaf • Phyllotaxy and its types. 		1 Lecture 1 Lecture 1 Lecture 1 Lecture 1 Lecture 1 Lecture
	<ul style="list-style-type: none"> ➤ Inflorescence and its types. ➤ Flower: <ul style="list-style-type: none"> • Structure • Symmetry • Types • Parts of Flower: <ol style="list-style-type: none"> 1) Calyx 2) Corolla 3) Androecium 4) Gynoecium 		1 Lecture 1 Lecture 1 Lecture
	<ul style="list-style-type: none"> ➤ Avestivation and its types. ➤ Placentation and its types. ➤ Fruits: its structure and types ➤ Seed: Types: <ol style="list-style-type: none"> 1. Monocotydedonous seed 2. Dicotyledonous seed ➤ Family Solanaceae. 		1 Lecture 1 Lecture 1 Lecture 1 Lecture 1 Lecture
	Assignments :- 1) Differentiate between Actinomorphic and Zygomorphic flowers. 2) Take one flower and write its semi-technical description. Also draw their floral diagram with floral formula.		
UNIT III	“PLANT ANATOMY”		MARKS= 5

		LECTURE - 7
	<ul style="list-style-type: none"> ➤ Tissue System in plants: <ul style="list-style-type: none"> 1. Epidermal Tissue System – Structure of Monocot and Dicot Stomata. 1 Lecture 2. Ground Tissue System. 1 Lecture 3. Vascular Tissue System. 1 Lecture Types of vascular tissue. ➤ Anatomy and functions of: <ul style="list-style-type: none"> 1. Dicot and Monocot Root. 1 Lecture 2. Dicot and Monocot Stem. 2 Lectures 3. Dicot and Monocot Leaf. 1 Lecture 	
	Assignment :- 1) Differentiate between Monocot Leaf and Dicot Leaf. 2) Differentiate between Monocot and dicot stomata.	
UNIT IV	“PLANT PHYSIOLOGY”	MARKS= 12 LECTURE - 7
	I. PHOTOSYNTHESIS: (7 LECTURES) <ul style="list-style-type: none"> ➤ Historical background. 1 Lecture ➤ Site of Photosynthesis: chloroplast 1 Lecture ➤ Photosystems ➤ Mechanisms of photosynthesis: <ul style="list-style-type: none"> (I) Light Reactions <ul style="list-style-type: none"> • Photophosphorylation: <ul style="list-style-type: none"> a) Cyclic Photophosphorylation b) Non Cyclic Photophosphorylation (II) Dark Reactions <ul style="list-style-type: none"> a) Calvin Cycle (C₃) 1 Lecture b) C₄ or Hatch and stack Cycle. 1 Lecture ➤ Factors affecting Photosynthesis } 1 Lecture ➤ Photorespiration. } 1 Lecture 	
	II. RESPIRATION: (6 LECTURES) <ul style="list-style-type: none"> ➤ Respiration & its types 1 Lecture ➤ Glycolysis pathway 1 Lecture ➤ Kreb’s cycle or Tricarboxylic Acid Cycle or Citric Acid cycle. 1 Lecture ➤ Electron transport system. 1 Lecture ➤ Chemiosmotic hypothesis 1 Lecture ➤ Amphibolic pathways ➤ Respiratory Quotient 	
	Assignments: 1) Observe the various plants around you and differentiate the various photosynthetic pigments according to the colour. 2) Differentiate between cyclic and non cyclic photophosphorylation. 3) Find out how many Net ATP results from the process of Glycolysis.	

	III. Plant Growth and Development: (3 LECTURES) <ul style="list-style-type: none"> ➤ Characters of Plant growth ➤ Phases of Growth ➤ Growth Rate <ul style="list-style-type: none"> a) Arithmetic growth b) Geometric growth ➤ Differentiation, dedifferentiation & Redifferentiation } 1 lecture ➤ Sequence of developmental process in a plant cell. } ➤ Plant Growth Regulators : <ul style="list-style-type: none"> 1. Auxin 2. Gibberlin 3. Cytokinin 4. Ethylene 5. Abscisic Acid 	3 Lectures
	Assignment :- Find out the locations on plant body where plant growth regulators are present and Note it down what function they perform.	
SECTION – B (ZOOLOGY) M.MARKS: 35 MARKS		
UNIT I	DIVERSITY IN LIVING WORLD	MARKS= 8 LECTURE - 19
	Animal Kingdom Introduction – <ul style="list-style-type: none"> ➤ Basis of Classification: <ul style="list-style-type: none"> • Level of organisation • Symmetry • Diploblastic and Triploblastic organisation • Segmentation and Notochord • Coelom 	1 Lecture
	Classification of Animal Kingdom Based on Common fundamental features. <ul style="list-style-type: none"> Phylum I: Porifera 2 Lectures Phylum II: Coelenterata (Cnidaria) 1 Lecture Phylum III: Ctenophora 1 Lecture Phylum IV: Platyhelminthes 1 Lecture Phylum V: Aschelminthes 1 Lecture Phylum VI: Annelida 1 Lecture Phylum VII: Arthropoda 2 Lecture Phylum VIII: Mollusca 1 Lecture Phylum IX: Echinodermata Phylum X: Hemichordata } 1 Lecture Phylum XI: Chordata: General Characters and Classification <ul style="list-style-type: none"> a) Urochordata/ Tunicate b) Cephalochordata c) Vertebrata 	
	Classification of Vertebrata <ul style="list-style-type: none"> Sub Phylum: (1) Agnatha Class – Cyclostomata 1 Lecture 	

	<ul style="list-style-type: none"> ➤ Mechanism of Breathing and its regulation in humans. ➤ Respiratory Volume ➤ Exchanges of Gases ➤ Transport of Gases ➤ Respiratory Disorders. 	1 Lecture 1 Lecture 1 Lecture
CHAPTER II	<u>BODY FLUID AND CIRCULATION</u>	6 Lectures
	<ul style="list-style-type: none"> ➤ Composition of Blood: a) RBCs <li style="padding-left: 20px;">b) WBCs <li style="padding-left: 20px;">c) Platelets <li style="padding-left: 20px;">d) Plasma 	1 Lecture
	<ul style="list-style-type: none"> ➤ Lymphatic System 	1 Lecture
	<ul style="list-style-type: none"> ➤ ABO Blood Group System ➤ Rh factor and Lymph 	1 Lecture
	<ul style="list-style-type: none"> ➤ Human Circulatory System ➤ Cardiac Cycle and ECG. 	1 Lecture
	<ul style="list-style-type: none"> ➤ Double Circulation ➤ Regulation of Cardiac Activity 	1 Lecture
Assignment: Disorders of Circulatory System.		
CHAPTER III	<u>EXCRETORY PRODUCTS AND THEIR ELIMINATION</u>	5 Lectures
	<ul style="list-style-type: none"> ➤ Mode of Excretion: a) Ammonotelic <li style="padding-left: 20px;">b) Ureotelic <li style="padding-left: 20px;">c) Uricotelic 	1 Lecture
	<ul style="list-style-type: none"> ➤ Human Excretory System and Str. Of Nephron 	1 Lecture
	<ul style="list-style-type: none"> ➤ Counter current mechanism ➤ Urine formation and Osmo regulation ➤ Regulation of Kidney functions 	1 Lecture
	<ul style="list-style-type: none"> Urinary Disorders Artificial Kidney 	1 Lecture
CHAPTER IV	<u>“LOCOMOTION & MOVEMENT”</u>	5 Lectures
	<ul style="list-style-type: none"> ➤ Types of Movement ➤ Muscle & its types 	1 Lecture
	<ul style="list-style-type: none"> ➤ Skeletal muscle: Structure ➤ Structure of contractile proteins 	1 Lecture
	<ul style="list-style-type: none"> ➤ Mechanism of Muscle Contraction 	1 Lecture
	<ul style="list-style-type: none"> ➤ Skeletal System ➤ Joints & its types 	1 Lecture
	<ul style="list-style-type: none"> ➤ Disorders of Muscular and Skeletal System. 	1 Lecture
Assignment: Identify various types of bones and their number in our body.		
CHAPTER V	<u>“NEURAL CONTROL AND COORDINATION”</u>	5 Lectures
	<ul style="list-style-type: none"> ➤ Nervous System: <ul style="list-style-type: none"> 1. Central Nervous System: <ul style="list-style-type: none"> a) Brain b) Spinal Cord 2. Peripheral Nervous System 	1 Lecture 1 Lecture
	<ul style="list-style-type: none"> ➤ Neuron – Structure & Types & Functions 	1 Lecture

	<ul style="list-style-type: none"> ➤ Generation & Conduction of Nerve Impulses ➤ Transmission of Impulses. ➤ Reflex action and Arc. 	1 Lecture 1 Lecture	
Assignment: 1) Find out the various locations in our body where medullary & non medullary neurons are found. 2) Differentiate between Grey matter and White matter.			
CHAPTER VI	<u>CHEMICAL COORDINATION AND INTEGRATION</u>	6 Lectures	
	<ul style="list-style-type: none"> ➤ Endocrine Gland and Hormones ➤ Human Endocrine System: <ol style="list-style-type: none"> 1. Hypothalamus 2. Pituitary gland 3. Pineal gland 4. Thyroid gland 5. Parathyroid gland 6. Thymus Gland 7. Adrenal gland 8. Pancreas 9. Testis 10. Ovary 	1 Lecture 1 Lecture 1 Lecture 1 Lecture 1 Lecture	
	<ul style="list-style-type: none"> ➤ Hormones of Heart, Kidney and Gastrointestinal tract. ➤ Mechanism of Hormone Action. 	1 Lecture	
	Assignment: Find out the various disorders in your family and do study the which gland is responsible for it.		
	TOTAL LECTURES = 136		



SHIKSHA NIKETAN SENIOR SECONDARY SCHOOL
JEEVAN NAGAR, JAMMU
SYLLABUS OF 11TH CLASS (COMMERCE STREAM)
SESSION 2024-25

SUBJECT: ENGLISH

Total Marks= 100

Theory: 80 Marks

Internal Assessment: 20 Marks

Days		TOTAL LECTURES = 140
1	Introduction of English Syllabus	
2	Introduction of English Language	
3	Importance & Significance of English Language	
4	Discussion on different Genres of English Language	
5	The Portrait of the Lady	
6	The Portrait of the Lady	
7	The Portrait of the Lady	
8	The Portrait of the Lady	
9	The Portrait of the Lady	
10	The Summer of the Beautiful White Horse	
11	The Summer of the Beautiful White Horse	
12	The Summer of the Beautiful White Horse	
13	The Summer of the Beautiful White Horse	
14	The Summer of the Beautiful White Horse	
15	A Photograph (Poem)	
16	A Photograph (Poem)	
17	A Photograph (Poem)	
18	A Photograph (Poem)	
19	Advertisement	
20	Advertisement	
21	Advertisement	
22	Advertisement	
23	Letter Writing	
24	Formal Letter Writing	
25	Formal Letter Writing	
26	Formal Letter Writing	
27	We're Not Afraid To Die If We'll To Be Together	
28	We're Not Afraid To Die If We'll To Be Together	
29	We're Not Afraid To Die If We'll To Be Together	
30	We're Not Afraid To Die If We'll To Be Together	
31	We're Not Afraid To Die If We'll To Be Together	
32	The Address	
33	The Address	
34	The Address	
35	The Address	

36	The Address	
37	Laburnum Top	
38	Laburnum Top	
39	Laburnum Top	
40	Laburnum Top	
41	Discovering Tut : the Saga Continues	
42	Discovering Tut : the Saga Continues	
43	Discovering Tut : the Saga Continues	
44	Discovering Tut : the Saga Continues	
45	Discovering Tut : the Saga Continues	
46	Poster Making	
47	Poster Making	
48	Poster Making	
49	Notice Making	
50	Notice Making	
51	Notice Making	
52	Notice Making	
53	Mother's Day	
54	Mother's Day	
55	Mother's Day	
56	Mother's Day	
57	Mother's Day	
58	Mother's Day	
59	Mother's Day	
60	The Voice of the Rain	
61	The Voice of the Rain	
62	The Voice of the Rain	
63	The Voice of the Rain	
64	Childhood	
65	Childhood	
66	Childhood	
67	Childhood	
68	Article Writing	
69	Article Writing	
70	Article Writing	
71	Speech Writing	
72	Speech Writing	
73	Speech Writing	
74	E-mail Writing	
75	E-mail Writing	
76	E-mail Writing	
77	Note – Making	
78	Note – Making	
79	Note – Making	

80	Articles – the Determinars	
81	Articles	
82	Articles	
83	Articles	
84	Prepositions	
85	Prepositions	
86	Prepositions	
87	Prepositions	
88	Prepositions	
89	Tenses	
90	Tenses	
91	Tenses	
92	Tenses	
93	Tenses	
94	Tenses	
95	Tenses	
96	Tenses	
97	Tenses	
98	Tenses	
99	The Ailing Planet	
100	The Ailing Planet	
101	The Ailing Planet	
102	The Ailing Planet	
103	The Ailing Planet	
104	The Adventure	
105	The Adventure	
106	The Adventure	
107	The Adventure	
108	The Adventure	
109	The Adventure	
110	The Adventure	
111	Father to Son	
112	Father to Son	
113	Father to Son	
114	Father to Son	
115	Debate Writing	
116	Debate Writing	
117	Debate Writing	
118	Modals	
119	Modals	
120	Modals	
121	Modals	
122	Modals	
123	Conjunction	

124	Conjunction	
125	Conjunction	
126	Punctuation	
127	Punctuation	
128	Punctuation	
129	Silk Road	
130	Silk Road	
131	Silk Road	
132	Silk Road	
133	Silk Road	
134	The Tale of the Melon City	
135	The Tale of the Melon City	
136	The Tale of the Melon City	
137	Birth	
138	Birth	
139	Birth	
140	Report Writing	
141	Report Writing	
142	Narrative	
143	Narrative	
LITERARY CLUB DAY = 3 + STUDENT PRESENTATION = 3		

SUBJECT: ACCOUNTANCY

TOTAL DAYS: 142

WHY ACCOUNTANCY?

Accounting allows you to develop skills such as leadership and strategic – thinking, valuable skills when it comes to working in the world of business and finance. They allow you to guide organisations with their financial decision- making and can also influence business growth.

UNIT- 1 INTRODUCTION TO ACCOUNTING - (12 Days) 6 Marks

1. **Book Keeping:** - Meaning, Objectives Advantages and Disadvantages (day 1, 2)
2. **Accounting:** -Meaning, Objectives, Advantages Disadvantages of Accounting (day3,4)
3. **Difference between Book – Keeping and Accounting:** - Accounting information, Internal and External users of accounting information. (day5, 6)
4. **Qualitative Characteristics of accounting information.** (day7)
5. **Basic accounting terms** (day8, 9)
6. **Objective type Questions** (day 10, 11)
7. **Revision of Introduction of Accountancy** (day12)

UNIT-2 THEORY BASE OF ACCOUNTING (7 Days) 6 Marks

1. Accounting Concepts and Principle (day13,14,15)
2. Accounting Standards and Base Accounting (day16,17)
3. Objective type Questions (day18)
4. Revision of theory Base Accounting (day19)

UNIT-3 RECORDING OF BUSINESS TRANSACTIONS:- (7 Days) 26 Marks

Accounting Equations:

1. Meaning and Analysis of transactions using Accounting Equation (day20)

2. Practical Question of Accounting Equation (day 21, 22, 23, 24)
 3. Objective type Questions (day 25)
 4. Revision of Accounting Equation (day 26)

Journal Entries: (12 Days)

1. Meaning, Preparation of Journal Entries, Types (day 27, 28)
 2. Rules of Debit and Credit, GST Introduction (day 29, 30)
 3. Practical Question of Journal Entries (day 31, 32, 33, 34, 35, 36)
 4. Objective type Questions (day 37)
 5. (Revision of Journal) (day 38)

Cash Book:- (12 Days)

1. Meaning & features, Limitation of Cash Book (day 39)
 2. Format of Cash Book [Single Column] (day 40)
 3. Practical Question of Cash Book [Single Column] (day 41, 42)
 4. Format of Double Column Cash Book (day 43)
 5. Practical Question of Double Column Cash Book (day 44, 45)
 6. Meaning of contra Transactions with examples. (day 46)
 7. Meaning of Petty Cash Book, Imprest System (day 47)
 8. Practical Question of Petty Cash Book (day 48)
 9. Objective type Questions (day 49)
 10. Revision of Cash Book (day 50)

5. Subsidiary Book:- (8 Days)

1. Meaning, Feature of Subsidiary Book, (day 51)
 2. Trade Discount v/s Cash Discount Debit Note v/s Credit Note (day 52)
 3. Practical question of Subsidiary book. (day 53, 54, 55, 56)
 4. Objective type Questions (day 57)
 5. Revision of Subsidiary book. (day 58)

5. Ledgers: - (6 days)

1. Meaning, Utility of ledger, journal v/s ledger (day 59)
 2. Format of ledgers, Practical question of ledgers (day 60, 61, 62)
 3. Objective type Questions (day 63)
 4. Revision of Ledgers (day 64)

6. Bank Reconciliation Statement. :- (8 Days)

1. Meaning and need, Preparation of Bank Reconciliation Statement. (day 65)
 2. Practical question of Bank Reconciliation Statement (day 66, 67, 68, 69)
 - Balance as per Cash Book
 - Overdraft as per Cash Book
 - Balance as per Pass Book
 - Overdraft as per Pass Book
3. Objective type Questions (day 70)
 - Revision of Bank Reconciliation statement & Presentation (day 71, 72)

UNIT- 4 TRIAL BALANCE AND RECTIFICATION OF ERRORS:- 5 Days

1. **Trial Balance:-** Meaning, Objectives and Method of Trial Balance (day 73)
 2. Practical Question of Trial Balance (day 74, 75)
 3. Objective type Questions (day 76)
 4. Revision of Trial Balance (day 77)

2. Rectification of Error:- 8 Days

1. Meaning and Types of Errors
 2. Meaning and Utilisation of suspense a/c (day 78, 79)
 Detection and Rectification of Errors. (day 80, 81, 82, 83)
 3. Objective type Questions (day 84)
 4. Revision of Rectification of Error (day 85)

3. UNIT -5 DEPRECIATION, RESERVE AND PROVISION:- 15 Days

1. Meaning and causes of Depreciation, Need for charging depreciation,
 2. Factors affecting depreciation
 Methods of charging depreciation,
 Straight line method and Diminishing Balance Method (day 86, 87, 88)

Practical Problems:-

- (a) When depreciation is charged to asset account. (day 89, 90, 91, 92, 93)
 (b) When provision for depreciation is created (day 94, 95)
 (c) When provision for Depreciation and asset disposal account is prepared. (day 96, 97)
 (d) Objective type Questions (day 98)
 (d) Revision of straight line Method. (day 99, 100)
 (e) Revision of Diminishing Balance Method & Presentation
 (f) Revision of Asset Disposal a/c, Provision for Depreciation a/c

(2) RESERVE AND PROVISION:- 5 Days

1. Meaning and Types of Reserve (day 101)
 2. Meaning, Importance and Types of Provision (day 102)
 3. Difference between Reserve and Provisions (day 103)
 3. Objective type Questions (day 104)
 4. Revision of Reserve and Provision (day 105)

UNIT - 6 FINANCIAL STATEMENT OF SOLE PROPRIETORSHIP FROM COMPLETE AND INCOMPLETE RECORDS

1. FINANCIAL STATEMENT OF SOLE PROPRIETORSHIP FROM COMPLETE RECORDS [WITHOUT ADJUSTMENT] 15 Days

- i) Meaning, Objective, Needs and Significance of Final Accounts. (day 106, 107)
 ii) **Trading Account :-** Meaning, features of Significance (day 108)
 Practical problem of Trading A/c (day 109, 110)
 iii) **Profit and Loss Account:-** Meaning, features and Significance (day 111)
 Practical problems of Profit and Loss (day 112, 113)
 iv) **Balance Sheet:-** Meaning, features, Significance (day 114)
 Marshaling group of Assets and Liabilities
 vi) Full Practical problems financial statement without Adjustment. (day 115, 116, 117, 118)
 vi) Objective type Questions (day 119)
 vii) Revision of financial statement without and Adjustment. (day 120)

2. FINANCIAL STATEMENT OF SOLE PROPRIETORSHIP FROM COMPLETE RECORDS [WITH ADJUSTMENT] 12 Days

- i) Meaning and need of Adjustment. (day 121)
 ii) Practical Problems of Financial statement with Adjustment (day 122, 123, 124, 125, 126, 127, 128)
 iii) Objective type Questions (day 129)
 iv) Revision of Financial Statement with Adjustment (day 130, 131, 132)

3 FINANCIAL STATEMENT OF SOLE PROPRIETORSHIP FROM INCOMPLETE RECORDS] 10Days

- i) Meaning, features, significance and limitations of Single Entry System. (day133)
- ii) Distinguish between statement of Affairs and Balance sheet.
Difference between single entry system and Double entry system. (day134)
- iii) Format of Statement of Profit and Loss
Practical Problems of Statement of Profit and Loss (day135)
- iv) Format of Statement of Affairs (day136,137)
Practical Problems of Accounts for Incomplete Record (day138,139)
- v) Objective type Questions (day140)
- vi) Revision of Accounts for Incomplete Record. (day141,142)

PRACTICAL ACCOUNTANCY AND THEORITICAL

Max Marks	100
Internal	5 marks
External	15 marks
Subjective paper	80 marks
Total	100 marks

SUBJECT: BUSINESS MATHS

Unit I	SETS	18 Lectures
Day 1	Introduction of sets, Representation of sets.	
Day 2	Types of sets, Practice Roaster form into Set – Builder Form.	
Day 3	Ex. 1.1 Q1, Q3, Q4, Q5	
Day 4	Empty Set, Finite Set, infinite, equal sets.	
Day 5	Ex. 1.2 Q1, Q2, Q4, Q5	
Day 6	Subsets, Proper subset, Improper subset Interval as subset of R. Power set, Universal sets.	
Day 7	Ex. 1.3 Q2, Q3, Q4, Q5	
Day 8	Ex. 1.3 Q6, Q7, Q8.	
Day 9	Venn – Diagrams operation on sets.	
Day 10	Ex. 1.4 Q1, Q2, Q3, Q5	
Day 11	Ex. 1.4 Q7, Q8, Q9, Q10	
Day 12	Complements of sets property of complements sets	
Day 13	State and Prove De- morgans Law with Venn - Diagram	
Day 14	Ex. 1.5 Q1, Q3, Q4, Q6	
Day 15	Practical problems on union and intersection of two sets.	
Day 16	Ex. 1.6 Q1, Q3, Q5, Q7	
Day 17	Miscellaneous Exercise Q3, Q4, Q6, Q8	
Day 18	Q13, Q14, Q16	
Unit II	RELATION AND FUNCTIONS	10 Lectures
Day 19	Cartesian Product of two sets with Property	
Day 20	Ex. 2.1 Q1. Q3, Q5, Q7, Q8.	
Day 21	Define Relation, Domain and Range and Co-Domain. equivalence Relation	
Day 22	Ex. 2.2 Q1, Q3, Q5, Q7	
Day 23	Define Function, Some functions and their graph, Constant function, Polynomial function one – one on to function and many – one function.	
Day 24	Identity function, Modulus function, Singnum function, greatest Integer	

	function (graph)	
Day 25	Algebra of real function	
Day 26	Ex. 2.3 Q2, Q3, Q4, Q5	
Day 27	Example 20, Example 19 Miscellaneous Exercise Q1, Q3, Q4, Q6, Q8	
Day 28	Doubt clear session of all chapter.	
Unit III	TRIGONOMETRIC FUNCTIONS	16 Lectures
Day 29	Angles, Degree Measure and Radian Measure. Relation between degree and Radian.	
Day 30	Ex. 3.1 Q1, Q2, Q3	
Day 31	Q4, Q5, Q6, Q7	
Day 32	Sign of trigonometric function.	
Day 33	Ex. 3.2 Q1, Q5	
Day 34	Q7, Q9, Q10	
Day 35	Trigonometric Function of sum and Difference of two angles	
Day 36	Ex. 3.3 Q2, Q4, Q5	
Day 37	Ex. 3.3 Q7, Q11, Q21, Q22	
Day 38	Ex. 3.3 Q23, Q24, Q25	
Day 39	Trigonometric equation and general solution.	
Day 40	Ex. 3.4 Q1, Q4, Q6	
Day 41	Ex. 3.4 Q7, Q8	
Day 42	Example 27, Example 29	
Day 43	Miscellaneous exercise Q3, Q7, Q9, Q10	
Day 44	Revision of Trigonometric equation	
Unit IV	SEQUENCES AND SERIES	10 Lectures
Day 45	Definition of sequence series	
Day 46	Geometric progression and mean Ex. 9.3 Q1, Q3, Q5, Q7, Q10	
Day 47	Ex. 9.3 Q11, Q12, Q14, Q17, Q19	
Day 48	Ex. 9.3 Q22, Q23, Q24, Q25	
Day 49	Ex. 9.3 Q27, Q28, Q29	
Day 50	Ex. 9.4 Q1, Q3, Q4	
Day 51	Ex. 9.4 Q5, Q7, Q9	
Day 52	Miscellaneous exercise Q1, Q3, Q7	
Day 53	Miscellaneous exercise Q9, Q14, Q18	
Day 54	Miscellaneous exercise Q19, Q21, Q24, Q32	
Unit V	PERMUTATIONS AND COMBINATIONS	11 Lectures
Day 55	Introduction and Ex.7.1 Q1, Q2, Q4, Q6	
Day 56	Concept of factorial and Ex. 7.2 Q9, Q11	
Day 57	Concept of Permutation of 9, 11 Theorem	
Day 58	Ex. 7.3 Q2, Q3, Q6, Q8	
Day 59	Ex. 7.3 Q9, Q10, Q11	
Day 60	Concept of combinations and theorem 5 and theorem 6	
Day 61	Ex. 7.4 Q1, Q2, Q4, Q7, Q9	
Day 62	Misc. Exercise Q1, Q3, Q4, Q6	
Day 63	Misc. Exercise Q7, Q9	

Day 64	Example 16, Q22, Q23
Day 65	Revision and doubts of Objective of Permutation and Combination
Unit VI	BINOMIAL THEOREM 6 Lectures
Day 66	Introduction of Binominal theorem
Day 67	Ex. 8.1 Q1, Q2, q6, q7, Q10
Day 68	Introduction of General term and Middle term
Day 69	Ex. 8.2 Q1, Q3, Q6, Q7, Q10, Q12
Day 70	Misc. Exercise Q1, Q2, Q5, Q8
Day 71	Revision and doubts objective of Binomial theorem
Unit VII	STATISTICS 8 Lectures
Day 72	Central tendency measure of dispersion
Day 73	Mean deviation about mean & median Ex. 15.1 Q1, Q3, Q5, Q7, Q9, Q11
Day 77	Variance & standard deviation
Day 78	Ex.15.2 Q1, Q2, Q3
Day 79	Ex.15.2 Q6, Q8, Q9, Q10 (shortcut method)
Day 80	Concept of coefficient of variation
Day 81	Ex. 15.3 Q3, Q4, Q5
Day 82	Misc. Ex. Q1, Q3, Q5
Unit VIII	PROBABILITY 8 Lectures
Day 83	Introduction of probability
Day 84	Ex. 16.1 Q1, Q2, Q3, Q8, Q10, Q12, Q16
Day 85	Ex. 16.2 Q1, Q2, Q3, Q5
Day 86	Ex. 16.3 Q1, Q3, Q5
Day 87	Ex. 16.3 Q7, Q8, Q9, Q10
Day 88	Ex.16.3 Q11, Q14, Q16, Q17
Day 89	Ex 16.3 Q18, Q21 example 1, 9
Day 90	Misc. Ex. Q1, Q7, Q9
Unit IX	LINEAR INEQUALITIES 9 Lectures
Day 91	Introduction of linear inequality & its types
Day 92	Ex.6.1 Q1, Q3, Q5, Q9
Day 93	Ex. 6.1 Q12, Q15, Q20, Q21, Q23, Q25
Day 94	Ex. 6.2 Q1, Q3, Q5, Q6, Q9
Day 95	Graph and representation
Day 96	Ex. 6.3 Q1, Q4, Q7, Q10
Day 97	Ex. 6.3 Q12, Q14
Day 98	Misc. Ex. Q1, Q7, Q8
Day 99	Misc. Ex. Q12, Q14
Day 100	Objective Assignment of Chapter 1 and 2
Day 101	Objective Assignment of Chapter 3
Day 102	Objective Assignment of Chapter 6 and 7
Day 103	Objective Assignment of Chapter 8 and 9
Day 104	Objective Assignment of Chapter 15 and 16
Day 105	Previous Year Paper
Day 106	Previous Year Paper

Day 107	Previous Year Paper
---------	---------------------

SUBJECT: BUSINESS STUDIES

<ul style="list-style-type: none"> WHY BUSINESS STUDIES? To Give an insight to the students about what business actually is. The ones who are looking for an opportunity in ancestral business or an start up, this subject will teach them the basics. It is the foundation subject for higher education qualification in commerce stream. 		
<p>“PATTERN OF SUBJECT” MAX. MARKS – 100 THEORY CONTENT – 80 PROJECT WORK – 20 TIME DURATION – 3 HRS.</p>		
PART – A : FOUNDATIONS OF BUSINESS		40 Marks
Chapter 1	NATURE AND PURPOSE OF BUSINESS	8 Marks
1	Concept and characteristics of business	
2	Business, Profession & Employment (difference)	
3	Objective of business	
4	Role of profit in business	
5	Classification of Business Activities	
6	Industry and its types - Primary,	
7	Secondary & Tertiary	
8	Commerce – Functions	
9	Trade and its auxiliaries	
10	Business risk – types, nature & causes.	
11	Objective response regarding all topics	
12	Revision of full Chapter.	
Chapter 2	FORMS OF BUSINESS ORGANISATION	8 Marks
13	Introduction of forms of Business Organisations.	
14	Sole proprietorship – Meaning, features, Merits and demerits.	
15	Joint Hindu family business – meaning, features, Merits and limitations.	
16	Partnership – Meaning, features, Pros and Cons.	
17	Partnership – Types of partners, types of partnership.	
18	Partnership Deed – Meaning and content along with registration of firm.	
19	Cooperative societies – meaning, features, Advantages & Disadvantages.	
20	Types of cooperative societies.	
21	Company – (Private limited and Public limited) – Meaning, features, pros and cons.	
22	Differentiate between Private and Public limited.	
23	Choice of forms of business Organisation	
24	Starting a business Basic factors.	
25	Objective response regarding all topics.	
26	Revision of full chapter.	

Chapter 3	PUBLIC, PRIVATE AND GLOBAL ENTERPRISES	7 marks
27	Introduction of private sector and public sector – Meaning, features & difference.	
28	Concept of PSU's – its rationale.	
29	Changing role of public sector	
30	Forms of Organising Public Sector Enterprises- Departmental Undertaking - Meaning, Features, Pros & Cons.	
31	Statutory corporations- Meaning, features, merits and demerits.	
32	Government Company – Meaning, Features, Benefits and Drawbacks.	
33	Distinguish between DU, SC & GC.	
34	Multi – national company – Meaning and features.	
35	Concept of Joint ventures and PPP.	
36	Objective response of all topics.	
37	Revision of whole chapter.	
Chapter 4	BUSINESS SERVICES	7 marks
38	Introduction of Business Services – features, differentiate b/w Goods and Services.	
39	Types of Business Services – Banking: Meaning & its types.	
40	Types of Bank Accounts.	
41	Functions of Bank and E-Banking	
42	Insurance – Meaning & its types.	
43	Principles of Insurance.	
44	Difference between Life, fire and marine Insurance.	
45	Communication – postal and Telecom services.	
46	Transportation – modes for conducting business.	
47	Concept of Warehousing – types & functions.	
48	Objective response of all topics.	
49	Revision of Whole Chapter.	
Chapter 5	EMERGING MODES OF BUSINESS	5 marks
50	E-Business- Meaning, scope	
51	E-Business –Merits & Drawbacks.	
52	Differentiate between Traditional and E-Business.	
53	Online transactions.	
54	Resource required for successful E-Business implementations.	
55	Safety and Security of Business transaction.	
56	Concept of outsourcing – BPO & KPO	
57	Objective response of all topics.	

58	Revision of full Chapter.	
Chapter 6	SOCIAL RESPONSIBILITY OF BUSINESS AND BUSINESS ETHICS	5 marks
59	Concept of Social responsibility – Case for and against social responsibility.	
60	Reality of social responsibility.	
61	Social responsibility towards Interest groups.	
62	Kinds of Social responsibility.	
63	Business and environmental protection - Role	
64	Causes & Need for pollution control	
65	Business Ethics – Concept & Elements.	
66	Objective response of all topics.	
67	Revision of whole Chapter.	
68	Doubt clearing session.	
PART – B : CORPORATE ORGANISATION, FINANCE & TRADE		
Chapter 7	FORMATION OF A COMPANY	7 marks
69	Company-Introduction, Stages - (Promotion, Incorporation, Capital Subscription and Commencement of business)	
70	Promotion – Meaning & Functions of Promoter.	
71	MOA – Meaning, Clauses.	
72	AOA – Meaning, Contents	
73	Prospectus – meaning, contents, statement in lieu of prospectus	
74	Difference between MOA and AOA.	
75	Incorporation – its documents.	
76	Capital Subscription, steps involving in raising funds from public.	
77	Commencement of business.	
78	Objective response of all topics.	
79	Revision of whole Chapter.	
80	Doubt clearing session.	
Chapter 8	SOURCES OF BUSINESS FINANCE	10 marks
81	Nature and significance of business finance.	
82	Classification of sources of funds. (Period and ownership basis)	
83	Methods of raising fund – Equity Shares – Merits and Demerits.	
84	Preference Shares – Merits and Demerits	
85	Debentures – Pros and Cons.	
86	Retained profits – Benefits and Drawbacks.	
87	Public deposits – Pros and Cons.	
88	Loan from Commercial Banks – Pros and Cons.	
89	Loan from Financial Institutions – Merits and demerits.	

90	Trade credit – Advantages and Disadvantages.	
91	Factors affecting choice of source of funds	
92	Objective response of all topics.	
93	Revision of whole Chapter.	
94	Doubt clearing session.	
Chapter 9	SMALL BUSINESS	6 marks
95	Small Business – Meaning, Nature and Features.	
96	Types of Small business.	
97	Role of small business in India and in rural India.	
98	Problems of small business in India.	
99	Government assistance and special schemes of Industries in rural India and in hilly areas too.	
100	Institutional support – NABARD, RSBDC, NSIC, SICBI, NCEUS.	
101	Others – RWED, WASME, SFURTI, DICs.	
102	Incentives given to small Business.	
103	Objective response of all topics.	
104	Revision of whole Chapter.	
105	Doubt clearing session.	
Chapter 10	INTERNAL TRADE	12 marks
106	Meaning and Concept of Internal trade – Classification (Wholesale and Retail trade)	
107	Services of Wholesaler	
108	Services of Retailer	
109	Types of Retail Trade – Itinerant Retailers and Fixed shop Retailers (Small)	
110	Large Retailers – Departmental stores – meaning, merits and demerits.	
111	Chain Stores - Meaning, Features, Merits and Demerits.	
112	Super Market – merits and demerits.	
113	Mail order business – merits and demerits.	
114	Consumer cooperative stores – merits and demerits.	
115	Malls and Vending Machines.	
116	Role of Indian chambers of commerce and Industry in promotion of Internal trade.	
117	Objective response of all topics.	
118	Revision of whole Chapter.	
119	Doubt clearing session.	
Chapter 11	INTERNATIONAL BUSINESS – I & II	5 marks
120	International Business – Nature and Importance & types.	
121	Differentiate between International and Domestic business	
122	Complexities involved in International business	

123	Modes of Entering into International business - Exporting and Importing	
124	Contract Manufacturing -Features, Merits, Demerits.	
125	Licensing and Franchising –Features Pros & Cons.	
126	Wholly Owned Subsidiaries –Meaning and features	
127	Export procedure (1 to 9 steps)	
128	Export procedure (10 to 17 steps)	
129	Documents used in export procedure.	
130	Import procedure (1 to 5 steps)	
131	Import procedure (6 to 10 steps)	
132	Documents used in Import procedure.	
133	Foreign trade promotion measures.	
134	Organisation support	
135	International trade institution and Trade Agreements – World Bank, IDA, IFC.	
136	Continued Institution – MIGA, IMF, UNCTAD.	
137	WTO – Meaning, Objectives, Functions.	
138	WTO – Benefits & Agreements.	
139	Concept of EPZ and SEZ's.	
140	Objective response of all topics.	
141	Revision of whole Chapter.	
142	Doubt clearing session.	
# SCHEME OF THEORY ASSESSMENT (SUBJECTIVE PART)		80 marks
	Question paper contains five sections namely – 1. Section 'A' – contains 8 (Objective type/ MCQ's) of 1 mark each. (1x8=8) 2. Section 'B' – contains 4 Short answer type questions of 3 marks each to be answered in 20 to 30 words (3x4=12) 3. Section 'C' – contains 5 Short answer type questions of 4 marks each to be answered in 100 to 150 words (4x5=20) 4. Section 'D' – contains 4 Long answer type questions of 6 marks each to be answered in 150 to 200 words (6x4=24) 5. Section 'E' – contains 2 Long answer type questions of 8 marks each to be answered in more than 200 words (8x2=16)	
# SCHEME OF PROJECT ASSESSMENT(INTERNAL PART)		20 marks
	1. Initiative, Cooperativeness and participation (2 marks) 2. Creativity in presentation (2 marks) 3. Content , Observation and research work (4 marks) 4. Analysis of Situations (4 marks) 5. Viva (8 marks)	
SUBJECT: ENTREPRENEURSHIP		
Unit I	Entrepreneurship	9 Marks
Day 1	Entrepreneurship:- Meaning & Characteristics	
Day 2	Entrepreneurship –Functions-Entrepreneurial	
Day 3	Entrepreneurship –Functions-Commercial	

Day 4	Entrepreneurship –Functions-Managerial	
Day 5	Entrepreneurship –Functions-Promotional	
Day 6	Entrepreneurship- Importance	
Day 7	Role of Entrepreneurship in Economic Development	
Day 8	Barriers to Entrepreneurship : Economic	
Day 9	Barriers to Entrepreneurship : Technological	
Day 10	Barriers to Entrepreneurship : Legal	
Day 11	Barriers to Entrepreneurship : Organisational	
Day 12	Objective response of all topics	
Day 13	Revision of Chapter – one	
Day 14	Doubt clearance of all topics	
Unit - II	Entrepreneur	7 Marks
Day 15	Entrepreneur – meaning, characteristics	
Day 16	Entrepreneur v/s Manager	
Day 17	Entrepreneur v/s Intrapreneur	
Day 18	Role of Entrepreneur in generating National wealth & Creation of Employment.	
Day 19	Types of Entrepreneurs : gender area,	
Day 20	Types of Entrepreneurs : growth & capital	
Day 21	Types of Entrepreneurs according to Danhof: Fabian, Drone, Imitative & Innovative	
Day 22	Women Entrepreneurs – Meaning & Features	
Day 23	Problem of Women Entrepreneurs.	
Day 24	Measures to solve the problems of women Entrepreneurs.	
Day 25	Selection of industries & Assistance provided to women Entrepreneurs.	
Day 26	Steps taken by Govt to develop women Entrepreneurs.	
Day 27	Objective response of all topics	
Day 28	Revision of Chapter – II	
Day 29	Doubt clearance of all topics	
Unit III	Entrepreneurial Value and Motivation	7 Marks
Day 30	Entrepreneurial Motivation- Meaning, Characteristics	
Day 31	Importance of Entrepreneurial Motivation	
Day 32	Factors affecting Entrepreneurship motivation level	
Day 33	Factors improving Entrepreneurship Motivation.	
Day 34	Maslow’s Theory of Human Motivation.	
Day 35	Herzberg’s Theory of Human Motivation.	

Day 36	Theory X & Y	
Day 37	Six C’s of Entrepreneurship Motivation.	
Day 38	Methods of Entrepreneurship Motivation.	
Day 39	Essentials of a Sound Entrepreneurial motivation system.	
Day 40	Help and support to Entrepreneur – DIC and its functions	
Day 41	SFC- Meaning, Function and Problems.	
Day 42	JKSICOP and JKEDI	
Day 43	SISI- Meaning & Functions.	
Day 44	Objective response of all topics	
Day 45	Revision of Chapter – III	
Day 46	Doubt clearance of all topics	
Unit IV	Entrepreneurial Skill Development Programme	8 Marks
Day 47	ESDP: - Meaning and objectives.	
Day 48	ESDP:-Role and importance.	
Day 49	ESDP:- Target groups	
Day 50	ESDP:- Problems	
Day 51	ESDPs – Critical Evaluation.	
Day 52	ESDP - Process	
Day 53	Entrepreneurial Skills – Meaning & Types	
Day 54	Importance of Skill Development.	
Day 55	Techniques of Skill Development.	
Day 56	Entrepreneurial Qualities – Meaning & Features.	
Day 57	Required qualities to be successful entrepreneur	
Day 58	Multiple Choice questions and short answer types questions.	
Day 59	Revision of Chapter – IV	
Day 60	Doubt clearance of all topics	
Unit V	Introduction to Market Dynamics	7 Marks
Day 61	Market Dynamics – meaning & Types.	
Day 62	Marketing –Meaning and characteristics	
Day 63	What is to be marketed?	
Day 64	Difference between Marketing and Selling	
Day 65	Marketing management – Meaning & objectives	
Day 66	Importance of marketing- To Society	
Day 67	Importance of marketing- To Nation	
Day 68	Importance of marketing- To Customers	
Day 69	Importance of marketing- To Organisation	

Day 70	Marketing mix – Product meaning and its features	
Day 71	Marketing mix –Price meaning and its features	
Day 72	Marketing mix –Place meaning and its features	
Day 73	Marketing mix –Promotion meaning and its features	
Day 74	Objective type Questions	
Day 75	Revision of Chapter – V	
Day 76	Doubt clearance of all topics	
Unit - VI	Small Enterprises	8 Marks
Day 77	Small Enterprises:- Meaning, Features.	
Day 78	Small enterprises- Importance	
Day 79	Small enterprises- Problems	
Day 80	Large scale v/s Small Scale Industries.	
Day 81	Objectives of Micro - Enterprises	
Day 82	MCQ of small enterprises	
Day 83	Revision of Chapter – VI	
Day 84	Doubt clearance of all topics	
Unit VII	Project Selection and Formulation	9 Marks
Day 85	Project meaning and characteristics	
Day 86	Project- objectives	
Day 87	Project identification, Meaning and importance Constraints in project identification	
Day 88	Techniques of Project identification	
Day 89	Stages of Project life Cycle	
Day 90	Project Report - Meaning and Importance	
Day 91	Multiple Choice questions of all topics	
Day 92	Revision of Chapter – VII	
Day 93	Doubt clearance of all topics	
Unit VIII	Project Appraisal	5 Marks
Day 94	Project Appraisal:- Meaning & Methods	
Day 95	Project Appraisal:- Need & Elements	
Day 96	Multiple Choice questions of all topics	
Day 97	Revision of Chapter – VII	
Day 98	Doubt clearance of all topics	
Unit IX	Financing of Enterprise	9 Marks
Day 99	Financial planning – Meaning, Need & Users	

Day 100	Financial planning – characteristics & Long and Short Finance	
Day 101	Long Term finance meaning and classification	
Day 102	Factors determining estimation of fixed assets requirement.	
Day 103	Estimation of Intangible Assets Requirement.	
Day 104	Sources of Finance for Expansion of capital.	
Day 105	Equity Shares – meaning & features.	
Day 106	Equity Shares – merits & Demerits.	
Day 107	Preference shares – meaning, features, Types.	
Day 108	Preference shares – merits & Demerits	
Day 109	Equity / Preference shares	
Day 110	Retained Earnings – meaning & feature	
Day 111	Debentures - meaning, features, Types.	
Day 112	Debentures- merits & Demerits.	
Day 113	Short term finance – meaning & Sources	
Day 114	Fixed & working capital meaning and its features	
Day 115	Factor affecting the working capital requirements	
Day 116	Adequate working capital-Advantages & variable working capital	
Day 117	Working Capital- Significance	
Day 118	Capital Structure – meaning & features.	
Day 119	Factors affecting capital structure.	
Day 120	Objectives type Questions	
Day 121	Revision of all topics (Unit –IX)	
Day 122	Doubt clearance of all topics	
Unit X	Ownership structure	7 Marks
Day 123	Proprietorship:- Meaning and features	
Day 124	Proprietorship:- Merits and demerits	
Day 125	Partnership:- Meaning & features,	
Day 126	Partnership:- Merits and demerits	
Day 127	Right & Duties of partners.	
Day 128	Types of partners,	
Day 129	Sole Proprietorship v/s Partnership	
Day 130	Company – Meaning, Features	
Day 131	Company – Merits and demerits	
Day 132	Company – Types : Public & Private	
Day 133	Difference between Partnership & Company.	

Day 134	Objectives type Questions	
Day 135	MCQ of Chapter X	
Day 136	Doubt clearance of all topics	

SUBJECT: ECONOMICS

Max. Marks: 100

	PART – A STATISTICS FOR ECONOMICS	MARKS - 40	
Unit – 1	Introduction of Economics	(Days 1)	(5 Marks)
	• Definition of Economics	(Days 2)	
	• Scope of Economics	(Days 3)	
	• Nature of Economics	(Days 4)	
	• Statistics :- Meaning and features	(Days 5)	
	• Statistics in Singular and plural norm	(Days 6)	
	• Importance of Statistics and Limitations	(Days 7)	
	• Revisions of Economics and Characteristics	(Days 8)	
	• Research – Meaning and Characteristics	(Days 9)	
	• Research design – Objectives & Types	(Days 10)	
	• Research design- Importance and Qualities	(Days 11)	
	• Sampling – Meaning & Methods (Probability method)	(Days 12)	
	• Non Probability Methods of Sampling	(Days 13)	
	• Merits & Demerits of Sampling	(Days 14)	
	• Revision of Sampling	(Days 15)	
Unit – 2	Collection, Organisation and Presentation of Data		(10 Marks)
	• Meaning of Primary Data and Secondary Data with differentiation	(Days 16)	
	• Modes of Collection Primary Data – Personal Interview	(Days 17)	
	• Modes of Collection Primary Data – Impersonal Interview	(Days 18)	
	• Questionnaire – Meaning, Qualities & Types	(Days 19)	
	• Collection of Secondary Data – Published	(Days 20)	
	• Unpublished Sources of Secondary Data	(Days 21)	
	• Revision of Sources of Data	(Days 22)	
	• Census Method – Merits and Demerits	(Days 23)	
	• Sampling – Merits and Demerits	(Days 24)	
	• Differentiate Census Method & Sample Method	(Days 25)	
	• Variables – Meaning and Types	(Days 26)	
	• Classification – Meaning and Types	(Days 27)	
	• Meaning and Types of Frequency distribution	(Days 28)	

	• Tabular Presentation – Meaning & Components	(Days 29)	
	• Textual presentation – Meaning & Features	(Days 30)	
	• Kinds of Table & Merits of Tabular presentation	(Days 31)	
	• Bar Diagram – Types	(Days 32)	
	• Bar Diagram – Practical Questions	(Days 33)	
	• Pie Chart – Meaning & Practical Problem	(Days 34)	
	• Revision of Bar Diagram & Piechart	(Days 35)	
	• Histogram – Meaning & Practical Problem	(Days 36)	
	• Frequency Polygon – Meaning & Practical Polygon	(Days 37)	
	• Frequency Curve – Practical Problem		
	• Ogive – Meaning & Merits & Demerits	(Days 38)	
	• Ogive – Practical Questions	(Days 39)	
	• Arithmetics Line graphs – Meaning & Construction	(Days 40)	
	• Merits of Diagrammatic Presentation and Graphic Presentation	(Days 41)	
	• Revision of Histogram and Frequency Polygon	(Days 42)	
Unit – 3	Statistical Tools and Interpretation		(25 Marks)
	• Central Tendency – Meaning & Features	(Days 43)	
	• Arithmetic Mean – Meaning & Merits and Demerits	(Days 44)	
	• Mean – Direct Method	(Days 45)	
	• Mean – Short Cut Method	(Days 46)	
	• Mean – Step Deviation Method	(Days 47)	
	• Mean – Step Deviation Method	(Days 48)	
	• Revision of Mean	(Days 49)	
	• Median – Meaning & Merits and Demerits	(Days 50)	
	• Median – Individual Series	(Days 51)	
	• Median – Discrete Series	(Days 52)	
	• Median – Frequency Distribution Series	(Days 53, 54)	
	• Mode – Meaning - Merits	(Days 55)	
	• Mode – By Inspection Method	(Days 56)	
	• Mode – By Grouping Method	(Days 57, 58 & 59)	
	• Revision of Median & Mode	(Days 60)	
	• Missing Frequency Problems	(Days 61)	
	• Revision of Mean, Median, Mode	(Days 62)	
	• Correlation – Meaning & Properties	(Days 63)	

	• Types of Correlation	(Days 64)	
	• Methods of Correlation – Scattered diagram – Merits & Demerits	(Days 65)	
	• Karl Pearson’s Coefficient of Correlation – Direct Method	(Days 66)	
	• Short Cut Method	(Days 67)	
	• Step Deviation Method	(Days 68)	
	• Step Deviation Method	(Days 69)	
	• Spearman’s Rank Correlation Method- when Ranks are given	(Days 70)	
	• When Ranks are not given	(Days 71)	
	• When Ranks are equal	(Days 72 & 73)	
	• Merits and Demerits of Rank Correlation	(Days 74)	
	• Revision of Correlation	(Days 75)	
	• Index number – Meaning & Features	(Days 76)	
	• Problems in Construction of Index number	(Days 77)	
	• Uses of Index number	(Days 78)	
	• Limitations of Index number	(Days 79)	
	• Methods – Simple Aggregative Method	(Days 80)	
	• Simple Prices Relatives Methods	(Days 81)	
	• Construction of Weighted Index number	(Days 82)	
	• Weighted Aggregative Method – Laspeyree Method	(Days 83)	
	• Paasche’s Method	(Days 84)	
	• Fisher’s Method	(Days 85)	
	• Consumer Price Index/ Cost of Living Index – Meaning & features	(Days 86)	
	• Aggregative Exp. Method of Cost of Living Index	(Days 87)	
	• Family Budget Method	(Days 88)	
	• Wholesale Price Index, - Concept	(Days 89)	
	• Industrial Index, Inflation Index, Human Development Index.	(Days 90)	
	• Revision of Index number	(Days 91 & 92)	
PART – B	INDIAN ECONOMIC DEVELOPMENT		MARKS - 40
UNIT – IV	Development Experiences (1947-90) and Economic Reforms		(Marks – 12)
	• Introduction of the State of Indian economy on the Eve of Independence	(Days 93)	
	• Features of Indian Economy at the time of		

	Independence	(Days 94)	
	• Exploitation of the Indian Economy	(Days 95)	
	• Structure of Indian Economy	(Days 96)	
	• Economics System –Capitalism	(Days 97)	
	• Socialism and Mixed Economy	(Days 98)	
	• Economic Planning – Meaning & objectives	(Days 99)	
	• All Five years plans (Short term & Long term)	(Days 100)	
	• Common goals of five year plan – Niti Aayog	(Days 101)	
	• Features of economic policy till 1991	(Days 102)	
	• Achievement of economic planning	(Days 103)	
	• Failures of Economic Planning	(Days 104)	
	• Revision of Indian Economy	(Days 105)	
	• Agriculture – Meaning & features	(Days 106)	
	• Importance of Indian Agriculture	(Days 107)	
	• Problems of Indian Agriculture	(Days 108)	
	• Suggestions to solve the problem of Indian Agriculture	(Days 109)	
	• Agricultural finance – Sources	(Days 110)	
	• Land Reforms	(Days 111)	
	• New Agriculture Strategies	(Days 112)	
	• Objectives and Achievements of that program	(Days 113)	
	• Green Revolution – Concept and Needs and objectives	(Days 114)	
	• Industries – Meaning and Significance	(Days 115)	
	• Industrial policy of India – 1948, 1956	(Days 116)	
	• New Economic Policy 1991 about Industries	(Days 117)	
	• Small & Cottage Industries	(Days 118)	
	• Policies regarding Small & Cottage Industries	(Days 119)	
	• Indian Industries – Meaning & Features	(Days 120)	
	• Indian Industries – Problems & Suggestions	(Days 121)	
	• Foreign Trade – Concept & Features	(Days 122)	
	• Foreign Trade after Independence	(Days 123)	
	• Problems & Suggestions of Foreign Trade	(Days 124)	
	• Balance of Payment – Causes	(Days 125)	
	• Economic Reforms – Needs	(Days 126)	
	• Features of Economic Reforms/ New Economic policy	(Days 127)	

	• Liberalisation, Globalisation & Privatisation	(Days 128)	
	• Fiscal Reforms & Monetary Reforms	(Days 129)	
	• Positive Impact of LPG Policies	(Days 130)	
	• Demonetisation - Concept	(Days 131)	
	• GST - Concept	(Days 132)	
Unit- V	Current Challenges facing Indian Economy		(20Marks)
	• Human Capital formation- Concept and how people become Resource	(Days 133)	
	• Role of Human Capital Formation	(Days 134)	
	• Problem and Suggestion of Human Capital Formation	(Days 135)	
	• Importance and Meaning of Education	(Days 136)	
	• Growth of Education Sector in India	(Days 137)	
	• Rural Development – Meaning & Objectives	(Days 138)	
	• Rural Credit – Sources	(Days 139)	
	• Agricultural Diversification	(Days 140)	
	• Organic farming	(Days 141)	
	• Employment – Concept & Types & Policies	(Days 142)	
	• Employment – Problems & Suggestion	(Days 143)	
	• Sustainable Economic Development – Meaning and Effects	(Days 144)	
	• Difference between Sustainable development, Economic Development & Economic Growth	(Days 145)	
	• Environment Degradation Causes	(Days 146)	
	• Seventeen Development Goals.	(Days 147)	
Unit – VI	Development Experience of India		(8 Marks)
	• Comparison between India & China	(Days 148)	
	• Comparison between India & Pakistan	(Days 149)	
	• Strength & Weakness of India, Pakistan	(Days 150)	
	• Strength & Weakness of China	(Days 151)	
	• Indicators of the nation towards GDP Education, Per Capita Income Growth rate etc.	(Days 152)	

SUBJECT: PHYSICAL EDUCATION

Chapter 1st	CONCEPT OF PHYSICAL EDUCATION	7 MARKS
Day 1	Introduction of Physical Education	
Day 2	Meaning and definition of Physical Education	
Day 3	Aims and objectives of Physical Education	

Day 4	Need and Importance of Physical Education
Day 5	Misconception about Physical Education
Day 6	Old Concept of Physical Education
Day 7	Modern concept of Physical Education
Day 8	Discuss the relationship of Physical Education with general education .
Day 9	15 Multiple Choice Questions from Lesson No. 1
Chapter 2nd	PHYSIOLOGICAL ASPECTS OF PHYSICAL EDUCATION 7 MARKS
Day 10	Meaning and definition of Physiology
Day 11	Skeletal or Boney System & Joints .
Day 12	Effects of exercise on Skeletal system
Day 13	Muscular System and types of Muscles.
Day 14	Functions of Muscle.
Day 15	Effects of exercise on Muscular System
Day 16	Introduction of Circulatory System (Mechanism of Heart)
Day 17	Functions of Heart
Day 18	Terms related to Heart
Day 19	Effects of exercise on Circulatory system
Day 20	Mechanism of Respiratory system
Day 21	Terms related to Respiratory System.
Day 22	Effects of exercise on Respiratory system
Day 23	Human Digestive system
Day 24	Effects of exercise on digestive system
Day 25	Multiple Choice Questions from Lesson 2 nd .
Chapter 3rd	PSYCHOLOGICAL ASPECTS OF PHYSICAL EDUCATION 7 MARKS
Day 26	Meaning and definition of Psychology
Day 27	Meaning and definition of Sports Psychology
Day 28	Need and Importance of Sports Psychology
Day 29	Meaning of Motivation and Types
Day 30	Theories of Motivation
Day 31	Meaning of Achievement . Relationship of Motivation and Achievement
Day 32	Sports Ethics and Sportsmanship
Day 33	Multiple Choice Questions
Chapter 4th	CAREER OPTIONS IN PHYSICAL EDUCATION 7 MARKS
Day 34	Meaning and definition of Career
Day 35	Career option in Physical Education
Day 36	Avenues for career preparation in Physical Education
Day 37	Qualities required for making a Career in Physical Education/ Self Assessment for Career in Physical Education.
Day 38	Eligibility courses for school/colleges teachers
Day 39	Characteristics of Coach/ Health Educator.
Day 40	Multiple Choice Question from Lesson No. 4

Chapter 5th	HEALTH EDUCATION	7 MARKS
Day 41	Meaning and definition of Health and Health Education	
Day 42	Objectives and Importance of Health Education	
Day 43	Scope and Principles of Health Education	
Day 44	Effects of Alcohol on Individual/ Family/ Sports Person	
Day 45	Effects of Tobacco on Individual/ Family/ Sports Person	
Day 46	Drugs and its types	
Day 47	Effects of drugs on Individual/ Sports Person/ Community	
Day 48	Community Health Programmes	
Day 49	Hypertension and Stress Management	
Day 50	Multiple Choice Question from Lesson No. 5	
Chapter 6th	CONCEPTS OF MAJOR GAMES/SPORTS	7 Marks
Day 51	Meaning of Physical fitness test	
Day 52	Introduction and Concept of Standard Track	
Day 53	Long Jump (History, Dimension and Rules)	
Day 54	Shot put (History, Dimension and Rules)	
Day 55	Running Events :	
	Kho-Kho	
Day 56	History and measurement of kho-kho	
Day 57	Skill and terminology of kho-kho	
Day 58	Rules and regulations of kho-kho	
Day 59	Practical Work (Fake Kho, Pole Dive, Line Cut, Minus Kho)	
	Badminton	
Day 60	History and measurement of Badminton	
Day 61	Skill and terminology of Badminton	
Day 62	Rules and regulations of Badminton	
Day 63	Practical Work	
	Kabaddi	
Day 64	History and measurement of Kabaddi	
Day 65	Skill and terminology of Kabaddi	
Day 66	Rules and regulations of Kabaddi	
Day 67	Practical Work	
	Handball	
Day 68	History and measurement of Handball	
Day 69	Skill and terminology of Handball	
Day 70	Rules and regulations of Handball	
Day 71	Practical Work	
	Hockey	
Day 72	History and measurement of Hockey	
Day 73	Skill and terminology of Hockey	
Day 74	Rules and regulations of Hockey	
Day 75	Practical Work	
	Archery	
Day 76	History and measurement of Archery	

Day 77	Skill and terminology of Archery	
Day 78	Rules and regulations of Archery	
Day 79	Revision of Games and Sports	
Chapter 7th	NATIONAL GAMES	7 Marks
Day 80	National Events <ul style="list-style-type: none"> ➤ Independence Day ➤ Republic Day 	
Day 81	National Award Arjuna Award	
Day 82	Dronacharya Award	
Day 83	Dhyan Chand Award	
Day 84	Major Dhyan Chand Khel Rattan Award	
Day 85	Maulana Abul Kalam Azad Trophy (MAKA)	
Day 86	Civilian Awards: Bharat Ratna	
Day 87	Padma Award	
Day 88	National Sports Promotion Award	
Day 89	School Game Federation of India	
Day 90	Multiple Choice Question from Lesson No. 7	
Chapter 8th	OLYMPIC GAMES	7 Marks
Day 91	Ancient and Modern History of Olympic Games	
Day 92	Paraolympic Games	
Day 93	Summer and Winter Olympic Games.	
Day 94	Opening and Closing Ceremony of Olympic Games	
Day 95	Olympic ideals, objectives and the Olympic values	
Day 96	Olympic Village, Rings and Olympic Flags	
Day 97	Olympic Torch, Motto and Oath	
Day 98	Multiple Choice Question from Lesson No. 8	
Chapter 9th	DIET AND ITS IMPORTANCE IN PHYSICAL DEVELOPMENT	7 Marks
Day 99	Meaning and definition of Diet and Balance Diet	
Day 100	Functions of Balance diet	
Day 101	Components of Balance diet: Macro Components: <ul style="list-style-type: none"> ➤ Carbohydrates ➤ Fats ➤ Proteins 	
Day 102	Macro Components: <ul style="list-style-type: none"> ➤ Vitamins ➤ Minerals ➤ Water 	
Day 103	Factors affecting diet	
Day 104	Role of diet in the Performance of Sports Person	
Day 105	Obesity and its types	
Day 106	Causes of obesity	

Day 107	Preventive measures of obesity
Day 108	Effects of obesity on health of sports person
Day 109	Physical fitness and its components
Day 110	Body Mass Index (BMI)
Day 111	Diet during Preparatory Period Competition and Transition Period
Day 112	Multiple Choice Question from Lesson No. 9
Chapter 10th	COMMON SPORTS INJURIES AND REHABILITATION 7 Marks
Day 113	Meaning and definition of Sports Injuries
Day 114	Classification of sports Injuries ➤ Soft Tissue Injuries (Sprain) ➤ Major Injuries (Strain)
Day 115	Minor Injuries (Laceration, Abrasion, Contusion, Incision, Blister)
Day 116	Hard Tissue Injuries- Fracture and its types
Day 117	Dislocation and Treatment of Dislocation
Day 118	Causes of Sports Injuries
Day 119	Preventive measures of sports injuries
Day 120	First Aid and treatment for Sports Injuries
Day 121	Rehabilitations for Sports Injuries
Day 122	R.I.C E Method
Day 123	Acute and Chronic Injuries
Day 124	Meaning and types of Camping.
Day 125	Equipment used in Camping
Day 126	Meaning and Types of trekking
Day 127	Doping and Types of Doping
Day 128	Drugs used in Doping
Day 129	Meaning and definition of Sports Medicine
Day 130	Importance of Sports Medicine
Day 131	Prevention of Drugs addiction
Day 132	Scope of Sports Medicine
Day 133	Multiple Choice Question from Lesson No. 10

SUBJECT: COMPUTER SCIENCE

UNIT - 1	COMPUTER FUNDAMENTALS	10 Marks
1 day	Introduction to Computer and IT	
1 day	Block Structure Diagram of a Computer System	
1 day	Description of Functional Components of Computer System	
1 day	Functions of Computer System	
2 days	History of Computers	
2 days	Generations of Computers	
2 days	Input devices : Keyboard , Mouse Scanner , BCR, OMR, OCR, MICR, Joystick, Mic	
2 days	Output devices : Monitor , Printer, Speaker, Plotter	
1 day	Introduction to Memory (Memory Chart)	

2 days	Types of Memory (Primary Memory , Secondary Memory, Cache Register)	
1 day	Units of Memory	
2 days	MCQs & Videos on Smart Class	
	TOTAL DAYS = 18	
UNIT -2	SOFTWARE CONCEPTS	10 Marks
1 day	Introduction to Software	
2 days	Hardware and Peripheral Devices	
3 days	System Software and its types	
3 days	Operating System and its function	
2 days	Language Processor and its types	
2 days	Computer language & its types	
2 days	MCQs & Videos on Smart Class	
	TOTAL DAYS = 15	
UNIT -3	NUMBER SYSTEM	10 Marks
1 day	Introduction to Number System	
2 days	Types of Number System	
4 days	Conversion Decimal – Binary Decimal – Octal Decimal – Hexadecimal	
4 days	Conversion Binary – Decimal Binary – Octal Binary – Hexadecimal	
4 days	Conversion Binary – Octal Octal -Binary Octal – Hexadecimal Using Short- Hand Method	
2 days	MCQs & Videos on Smart Class	
	TOTAL DAYS = 17	
UNIT -4	PROGRAMMING METHODOLOGY	10 Marks
2 days	Concept of program & Programming	
2 days	Characteristics of a good program	
1 day	Concept of Modular Approach	
1 day	Benefits of Modular Approach	
4 days	Program Documentation (Internal & External Documentation)	
1 day	Benefits of Program Documentation	
1 day	Program Maintenance	

3 days	Error & its types
2 days	Debugging & Techniques of Debugging
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 19
UNIT -5	INTRODUCTION TO PYTHON 10 Marks
1 day	Introduction to Python
2 days	Origin / History of Python
2 days	Advantages and Disadvantages of Python
1 day	Python Character Sets
3 days	Tokens and its types
1 day	Input and Print Statement
2 days	Comments and its types
1 day	Concept of Variables
1 day	Rules for Naming a Variable
2 days	Python Program (Basic)
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 18
UNIT -6	DATA TYPES AND OPERATORS 10 Marks
1 day	Built in Datatypes in Python (Chart)
6 days	Number, String, list, Tuple, Dictionary Boolean with Example Program
2 days	Type () function with Program
2 days	Type Casting with Program
1 day	Introduction to Operator (Chart)
4 days	Types of all the operators with Program
2 days	Programs on this Related Unit.
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 20
UNIT -7	STRING IN PYTHON 10 Marks
1 day	Introduction to String
1 day	Defining and Assigning String
2 days	Types of String (Single & Multi-line)
3 days	String function and its Programs
1 day	Introduction to String Slicing
3 days	Program for Slicing with all the four System
3 days	Escape Character in a string
3 days	Program Related to this Unit
3 days	MCQs & Videos on Smart Class

	TOTAL DAYS = 20
--	------------------------



SHIKSHA NIKETAN SENIOR SECONDARY SCHOOL
JEEVAN NAGAR, JAMMU
SYLLABUS OF 11TH CLASS (ARTS STREAM)
SESSION 2024-25

SUBJECT: ENGLISH

Total Marks= 100

Theory: 80 Marks

Internal Assessment: 20 Marks

Days		TOTAL LECTURES = 140
1	Introduction of English Syllabus	
2	Introduction of English Language	
3	Importance & Significance of English Language	
4	Discussion on different Genres of English Language	
5	The Portrait of the Lady	
6	The Portrait of the Lady	
7	The Portrait of the Lady	
8	The Portrait of the Lady	
9	The Portrait of the Lady	
10	The Summer of the Beautiful White Horse	
11	The Summer of the Beautiful White Horse	
12	The Summer of the Beautiful White Horse	
13	The Summer of the Beautiful White Horse	
14	The Summer of the Beautiful White Horse	
15	A Photograph (Poem)	
16	A Photograph (Poem)	
17	A Photograph (Poem)	
18	A Photograph (Poem)	
19	Advertisement	
20	Advertisement	
21	Advertisement	
22	Advertisement	
23	Letter Writing	
24	Formal Letter Writing	
25	Formal Letter Writing	
26	Formal Letter Writing	
27	We're Not Afraid To Die If We'll To Be Together	
28	We're Not Afraid To Die If We'll To Be Together	
29	We're Not Afraid To Die If We'll To Be Together	
30	We're Not Afraid To Die If We'll To Be Together	
31	We're Not Afraid To Die If We'll To Be Together	
32	The Address	
33	The Address	
34	The Address	

35	The Address	
36	The Address	
37	Laburnum Top	
38	Laburnum Top	
39	Laburnum Top	
40	Laburnum Top	
41	Discovering Tut : the Saga Continues	
42	Discovering Tut : the Saga Continues	
43	Discovering Tut : the Saga Continues	
44	Discovering Tut : the Saga Continues	
45	Discovering Tut : the Saga Continues	
46	Poster Making	
47	Poster Making	
48	Poster Making	
49	Notice Making	
50	Notice Making	
51	Notice Making	
52	Notice Making	
53	Mother's Day	
54	Mother's Day	
55	Mother's Day	
56	Mother's Day	
57	Mother's Day	
58	Mother's Day	
59	Mother's Day	
60	The Voice of the Rain	
61	The Voice of the Rain	
62	The Voice of the Rain	
63	The Voice of the Rain	
64	Childhood	
65	Childhood	
66	Childhood	
67	Childhood	
68	Article Writing	
69	Article Writing	
70	Article Writing	
71	Speech Writing	
72	Speech Writing	
73	Speech Writing	
74	E-mail Writing	
75	E-mail Writing	
76	E-mail Writing	
77	Note – Making	
78	Note – Making	

79	Note – Making	
80	Articles – the Determinars	
81	Articles	
82	Articles	
83	Articles	
84	Prepositions	
85	Prepositions	
86	Prepositions	
87	Prepositions	
88	Prepositions	
89	Tenses	
90	Tenses	
91	Tenses	
92	Tenses	
93	Tenses	
94	Tenses	
95	Tenses	
96	Tenses	
97	Tenses	
98	Tenses	
99	The Ailing Planet	
100	The Ailing Planet	
101	The Ailing Planet	
102	The Ailing Planet	
103	The Ailing Planet	
104	The Adventure	
105	The Adventure	
106	The Adventure	
107	The Adventure	
108	The Adventure	
109	The Adventure	
110	The Adventure	
111	Father to Son	
112	Father to Son	
113	Father to Son	
114	Father to Son	
115	Debate Writing	
116	Debate Writing	
117	Debate Writing	
118	Modals	
119	Modals	
120	Modals	
121	Modals	
122	Modals	

123	Conjunction	
124	Conjunction	
125	Conjunction	
126	Punctuation	
127	Punctuation	
128	Punctuation	
129	Silk Road	
130	Silk Road	
131	Silk Road	
132	Silk Road	
133	Silk Road	
134	The Tale of the Melon City	
135	The Tale of the Melon City	
136	The Tale of the Melon City	
137	Birth	
138	Birth	
139	Birth	
140	Report Writing	
141	Report Writing	
142	Narrative	
143	Narrative	
LITERARY CLUB DAY = 3 + STUDENT PRESENTATION = 3		

SUBJECT: MATHEMATICS

TOTAL NO. OF LECTURES: 122

DAYS	TOPICS
	CHAPTER-1 SETS No. of Lectures:10
Day 1	Introduction of sets and its types
Day 2	Ex 1.1 Q1, Q3, Q4 and Q5 and define Empty sets, finite & infinite set.
Day 3	Ex. 1.2 Q1, Q3, & Q5 and Definition of Subsets, Proper subsets and Interval of sets, & Universal sets
Day 4	Ex 1.3 Q1, Q3, Q4, Q6, Q7
Day 5	Venn Diagram, Union & Intersection of sets and Disjoint set also the concept of Difference of two sets and Ex 1.4 Q1, Q3, Q6, Q10, Q11
Day 6	Define Compliment of a set & its properties Ex. 1.5 Q1, Q2 (i) Q4, Q5
Day 7	Misc. Ex. Q1, Q3, Q5, Q8
Day 8	Misc. Ex. Q9, Q10, Q7, and example 23
Day 9	Revision and doubts and objective type Question
Day 10	Revision and doubts
	CHAPTER-2 RELATIONS AND FUNCTIONS No. of Lectures: 08
Day 11	Introduction of ordered pair and Cartesian product and properties Ex. 2.1 Q1, Q3, Q5, Q8
Day 12	Define Relation, Domain and Range and Co-Domain & Types of Relation

Day 13	Ex 2.2 Q1, Q3, Q5 & Q7
Day 14	Define Function and its types.
Day 15	Ex 2.3 Q2, Q3, Q5
Day 16	Misc. Ex. Q1, Q3, Q5
Day 17	Misc. Ex. Q8, Q12 and
Day 18	Revision and doubts & objective based on it.
	CHAPTER-3 TRIGONOMETRIC FUNCTIONS No. of Lectures:10
Day 19	Introduction of trigonometric function, positive angles & negatives angles, Degree and Radian Conversion & Ex. 3.1 – Q1, Q2
Day 20	Ex. 3.1 - Q5 & Q7 and Trigonometric Ratio and Trigonometric Tables
Day 21	Ex. 3.2 - Q1, Q6, Q9, Q10
Day 22	Trigonometric formula, Sum, Difference, Multiple and Sub-multiples, $\sin 3x, \cos 3x, \tan 3x$, $\sin 2x, \cos 2x, \tan 2x$
Day 23	Ex. 3.3 – Q1, Q3, Q5, Q7, Q11.
Day 24	Ex. 3.3 – Q16, Q21, Q23, Q25.
Day 25	Ex. 3.3 – Q22 & Examples 19 & 20
Day 26	Misc. Exercise:- Q1, Q4, Q7
Day 27	Misc. Exercise:- Q8 & Q10
Day 28	Revision and doubts & objective based on it.
	CHAPTER-4 COMPLEX NUMBERS & QUADRATIC EQUATIONS No. of Lectures:07
Day 29	Introduction of Complex number, addition, and subtraction & multiplication & division of complex numbers. Also multiplicative inverse of complex number.
Day 30	Ex. 4.1 – Q1, Q3, Q6, Q10, Q12
Day 31	Introduction of argand plane, Modulus & Conjugate of the complex number & its properties
Day 32	Misc. Ex. Q2, Q4, Q7, Q11, Q14
Day 33	Misc. Ex. Q10, and Introduction of Quadratic equation & problems based on it.
Day 36	Revision & doubts
Day 37	Objective based on it.
	CHAPTER-5 LINEAR INEQUALITIES No. of Lectures:05
Day 38	Introduction of Linear Inequalities & its types. Ex. 5.1 – Q1, Q4
Day 39	Ex. 5.1 – Q9, Q12, Q16, Q20
Day 40	Ex. 5.1 – Q21, Q23, Q26
Day 41	Misc. Exercise – Q1, Q3, Q6, Q8

Day 42	Misc. Exercise – Q12, Q13
	CHAPTER-6 PERMUTATIONS AND COMBINATIONS No. of Lectures:09
Day 43	Introduction of permutations & combination & Fundamental principle of counting & factorial
Day 44	Ex. 6.1 – Q1, Q3, Q5 and Ex. 6.2 – Q1, Q3, Q4
Day 45	Define Permutation, Theorem 3, Theorem 4 & Ex. 6.3 – Q1, Q2
Day 46	Q4, Q7(i), Q9, Q10
Day 47	Define Combination and theorem 5 & Theorem 6 & Ex. 6.4 – Q1, Q3
Day 48	Q2, Q7, Q9 (Ex.- 6.4)
Day 49	Misc. Exercise Q1, Q3, Q5
Day 50	Misc. Ex. Q7, Q10, Q11
Day 51	Revision & doubts
	CHAPTER-7 BINOMIAL THEOREM No. of Lectures:05
Day 52	Introduction of Binomial Theorem, Pascal triangle & Ex. 7.1 – Q1 & Q5
Day 53	Ex 7.1 – Q7, Q10, Q12
Day 54	Ex. 7.1 – Q13, Q14
Day 55	Misc. Ex. – Q1, Q3
Day 56	Misc. Ex. – Q4, Q6
	CHAPTER-8 SEQUENCE AND SERIES No. of Lectures:09
Day 57	Introduction of sequence & Series Ex. 8.1 - Q1, Q5, Q10, Q11
Day 58	Introduction of G.P Ex. 8.2 – Q1, Q4, Q5(b)
Day 59	Ex. 8.2 – Q7, Q11, Q12, Q16, Q18
Day 60	Ex. 8.2 – Q22, Q23, Q27, Q29
Day 61	Ex. 8.2 – Q28, Q32
Day 62	Misc. Ex. – Q1, Q3, Q7
Day 63	Misc. Ex. – Q10, Q11, Q18
Day 64	Misc. Exercise – Revise
Day 65	Revision and doubts
	CHAPTER-9 STRAIGHT LINES No. of Lectures:10
Day 66	Introduction of the straight line, Distance formula, section formula, & Area of the triangle & slope of a line & angle between the lines
Day 67	Ex. 9.1 – Q1, Q4, Q7, Q9
Day 68	Ex. 9.1 – Q10, Ex. 9.2 – Q1, Q4, Q7 Ex. 9.2 – Q10, Q12, Q13, Q17
Day 69	Ex. 9.3 – Q1, Q2, Q4

Day 70	Ex. 9.3 – Q8, Q11, Q13, Q17
Day 71	Ex. 9.3 – Q15, & Q16
Day 72	Misc. Ex. – Q1, Q4, Q6
Day 73	Misc. Ex. – Q8, Q10, Q12
Day 74	Misc. Ex. – Q13, Q17, Q21
Day 75	Revision & doubts
	CHAPTER-10 CONIC SECTIONS No. of Lectures:10
Day 76	Basic of Conic Section and Circle Ex. 10.1 - Q1, Q5, Q7, Q10
Day 77	Ex. 10.2 – Q12, Q13, Q15
Day 78	Ex. 10.2 – Parabola (basic) & Q1, Q3, Q6
Day 79	Ex. 10.2 – Q7, Q9, Q11
Day 80	Ex. 10.3 – Ellipse(and its basic) Q1, Q6, Q8
Day 81	Ex.10.3 – Q10, Q12, Q15, Q19
Day 82	Ex. 10.4 – (Hyperbola) Q1, Q2, Q6
Day 83	Ex. 10.4 – Q7, Q10, Q12, Q15
Day 84	Misc. Exercise Q1, Q4, Q6
Day 85	Misc. Exercise Q8 & Revision and doubts
	CHAPTER-11 INTRODUCTION TO THREE DIMENSIONAL GEOMETRY No. of Lectures:04
Day 86	Introduction of 3D & Ex. 11.1 – Q1, Q3, Q4
Day 87	Ex. 11.2 – Q1 (i) Q2, Q5
Day 88	Misc. Ex. – Q1, Q3 & Q4
Day 89	Revision & doubts
	CHAPTER-12 LIMITS AND DERIVATIVES No. of Lectures:11
Day 90	Introduction of Limits & Algebra of limits Ex. 12.1 – Q1, Q4, Q8, Q12, Q14
Day 91	Ex. 12.1 – Q17, Q19, Q21, Q22
Day 92	Ex. 12.1 – Q23, Q25, Q28, Q31
Day 93	Ex. 12.2 – Q1, Q4, Q10
Day 94	Topic – Limit Q5, Q8, Q10
Day 95	Misc. Ex. – Q1, Q4, Q10
Day 96	Misc. Ex. – Q14, Q15, Q17, Q21
Day 97	Misc. Ex. – Q24, Q27, Q29, Q30
Day 98	Revision & doubts
Day 99	Objective Question based on it.
Day 100	Examples of Limits & derivative.

	CHAPTER-13 STATISTICS No. of Lectures:08
Day 101	Basic of statistics (about Mean, Median, Mean deviation about mean & median) Ex. 13.1 – Q1 & Q3 Ex. 13.1 – Q5, Q8
Day 102	Ex. 13.1 – Q9, Q11
Day 103	Ex. 13.2 – Q1, Q2 & Basic about variance and standard deviation
Day 104	Ex. 13.2 – Q6, Q7
Day 105	Ex(Miscellaneous Exercise) Q1, Q2, Q4
Day 106	Misc. Ex. – Q5
Day 107	Revision & doubts
	CHAPTER-14 PROBABILITY No. of Lectures:10
Day 108	Probability(basics) & sample space, events & types of events
Day 109	Ex. 14.1 – Q1 & Q3
Day 110	Ex. 14.2 – Q4 & Q5
Day 111	Ex. 14.3 – Q1, Q2, Q4
Day 112	Ex. 14.3 – Q6, Q8, Q10
Day 113	Ex. 14.3 – Q13, Q15, Q17, Q20
Day 114	Example 10 & Example 12
Day 115	Misc. Ex. – Q1, Q4
Day 116	Misc. Ex. – Q5, Q7
Day 117	Misc. Ex. – Q9, Q10
Day 118	Previous Year Paper No. of Lectures:05
Day 119	Previous Year Paper
Day 120	Previous Year Paper
Day 121	Previous Year Paper
Day 122	Previous Year Paper

SUBJECT: ECONOMICS

Max. Marks: 100

	PART –A STATISTICS FOR ECONOMICS	MARKS - 40	
Unit – 1	Introduction of Economics	(Days 1)	(5 Marks)
	• Definition of Economics	(Days 2)	
	• Scope of Economics	(Days 3)	
	• Nature of Economics	(Days 4)	
	• Statistics :- Meaning and features	(Days 5)	
	• Statistics in Singular and plural norm	(Days 6)	
	• Importance of Statistics and Limitations	(Days 7)	
	• Revisions of Economics and Characteristics	(Days 8)	
	• Research – Meaning and Characteristics	(Days 9)	
	• Research design – Objectives & Types	(Days 10)	

	• Research design- Importance and Qualities	(Days 11)	
	• Sampling – Meaning & Methods (Probability method)	(Days 12)	
	• Non Probability Methods of Sampling	(Days 13)	
	• Merits & Demerits of Sampling	(Days 14)	
	• Revision of Sampling	(Days 15)	
Unit – 2	Collection, Organisation and Presentation of Data		(10 Marks)
	• Meaning of Primary Data and Secondary Data with differentiation	(Days 16)	
	• Modes of Collection Primary Data – Personal Interview	(Days 17)	
	• Modes of Collection Primary Data – Impersonal Interview	(Days 18)	
	• Questionnaire – Meaning, Qualities & Types	(Days 19)	
	• Collection of Secondary Data – Published	(Days 20)	
	• Unpublished Sources of Secondary Data	(Days 21)	
	• Revision of Sources of Data	(Days 22)	
	• Census Method – Merits and Demerits	(Days 23)	
	• Sampling – Merits and Demerits	(Days 24)	
	• Differentiate Census Method & Sample Method	(Days 25)	
	• Variables – Meaning and Types	(Days 26)	
	• Classification – Meaning and Types	(Days 27)	
	• Meaning and Types of Frequency distribution	(Days 28)	
	• Tabular Presentation – Meaning & Components	(Days 29)	
	• Textual presentation – Meaning & Features	(Days 30)	
	• Kinds of Table & Merits of Tabular presentation	(Days 31)	
	• Bar Diagram – Types	(Days 32)	
	• Bar Diagram – Practical Questions	(Days 33)	
	• Pie Chart – Meaning & Practical Problem	(Days 34)	
	• Revision of Bar Diagram & Piechart	(Days 35)	
	• Histogram – Meaning & Practical Problem	(Days 36)	
	• Frequency Polygon – Meaning & Practical Polygon	(Days 37)	
	• Frequency Curve – Practical Problem		
	• Ogive – Meaning & Merits & Demerits	(Days 38)	
	• Ogive – Practical Questions	(Days 39)	
	• Arithmetics Line graphs – Meaning &	(Days 40)	

	Construction		
	• Merits of Diagrammatic Presentation and Graphic Presentation	(Days 41)	
	• Revision of Histogram and Frequency Polygon	(Days 42)	
Unit – 3	Statistical Tools and Interpretation		(25 Marks)
	• Central Tendency – Meaning & Features	(Days 43)	
	• Arithmetic Mean – Meaning & Merits and Demerits	(Days 44)	
	• Mean – Direct Method	(Days 45)	
	• Mean – Short Cut Method	(Days 46)	
	• Mean – Step Deviation Method	(Days 47)	
	• Mean – Step Deviation Method	(Days 48)	
	• Revision of Mean	(Days 49)	
	• Median – Meaning & Merits and Demerits	(Days 50)	
	• Median – Individual Series	(Days 51)	
	• Median – Discrete Series	(Days 52)	
	• Median – Frequency Distribution Series	(Days 53, 54)	
	• Mode – Meaning - Merits	(Days 55)	
	• Mode – By Inspection Method	(Days 56)	
	• Mode – By Grouping Method	(Days 57, 58 & 59)	
	• Revision of Median & Mode	(Days 60)	
	• Missing Frequency Problems	(Days 61)	
	• Revision of Mean, Median, Mode	(Days 62)	
	• Correlation – Meaning & Properties	(Days 63)	
	• Types of Correlation	(Days 64)	
	• Methods of Correlation – Scattered diagram – Merits & Demerits	(Days 65)	
	• Karl Pearson’s Coefficient of Correlation – Direct Method	(Days 66)	
	• Short Cut Method	(Days 67)	
	• Step Deviation Method	(Days 68)	
	• Step Deviation Method	(Days 69)	
	• Spearman’s Rank Correlation Method- when Ranks are given	(Days 70)	
	• When Ranks are not given	(Days 71)	
	• When Ranks are equal	(Days 72 & 73)	
	• Merits and Demerits of Rank Correlation	(Days 74)	
	• Revision of Correlation	(Days 75)	
	• Index number – Meaning & Features	(Days 76)	

	• Problems in Construction of Index number	(Days 77)	
	• Uses of Index number	(Days 78)	
	• Limitations of Index number	(Days 79)	
	• Methods – Simple Aggregative Method	(Days 80)	
	• Simple Prices Relatives Methods	(Days 81)	
	• Construction of Weighted Index number	(Days 82)	
	• Weighted Aggregative Method – Laspeyree Method	(Days 83)	
	• Paasche’s Method	(Days 84)	
	• Fisher’s Method	(Days 85)	
	• Consumer Price Index/ Cost of Living Index – Meaning & features	(Days 86)	
	• Aggregative Exp. Method of Cost of Living Index	(Days 87)	
	• Family Budget Method	(Days 88)	
	• Wholesale Price Index, - Concept	(Days 89)	
	• Industrial Index, Inflation Index, Human Development Index.	(Days 90)	
	• Revision of Index number	(Days 91 & 92)	
PART-B	INDIAN ECONOMIC DEVELOPMENT		MARKS - 40
UNIT - IV	Development Experiences (1947-90) and Economic Reforms		(Marks – 12)
	• Introduction of the State of Indian economy on the Eve of Independence	(Days 93)	
	• Features of Indian Economy at the time of Independence	(Days 94)	
	• Exploitation of the Indian Economy	(Days 95)	
	• Structure of Indian Economy	(Days 96)	
	• Economics System –Capitalism	(Days 97)	
	• Socialism and Mixed Economy	(Days 98)	
	• Economic Planning – Meaning & objectives	(Days 99)	
	• All Five years plans (Short term & Long term)	(Days 100)	
	• Common goals of five year plan – Niti Aayog	(Days 101)	
	• Features of economic policy till 1991	(Days 102)	
	• Achievement of economic planning	(Days 103)	
	• Failures of Economic Planning	(Days 104)	
	• Revision of Indian Economy	(Days 105)	
	• Agriculture – Meaning & features	(Days 106)	
	• Importance of Indian Agriculture	(Days 107)	
	• Problems of Indian Agriculture	(Days 108)	

	• Suggestions to solve the problem of Indian Agriculture	(Days 109)	
	• Agricultural finance – Sources	(Days 110)	
	• Land Reforms	(Days 111)	
	• New Agriculture Strategies	(Days 112)	
	• Objectives and Achievements of that program	(Days 113)	
	• Green Revolution – Concept and Needs and objectives	(Days 114)	
	• Industries – Meaning and Significance	(Days 115)	
	• Industrial policy of India – 1948, 1956	(Days 116)	
	• New Economic Policy 1991 about Industries	(Days 117)	
	• Small & Cottage Industries	(Days 118)	
	• Policies regarding Small & Cottage Industries	(Days 119)	
	• Indian Industries – Meaning & Features	(Days 120)	
	• Indian Industries – Problems & Suggestions	(Days 121)	
	• Foreign Trade – Concept & Features	(Days 122)	
	• Foreign Trade after Independence	(Days 123)	
	• Problems & Suggestions of Foreign Trade	(Days 124)	
	• Balance of Payment – Causes	(Days 125)	
	• Economic Reforms – Needs	(Days 126)	
	• Features of Economic Reforms/ New Economic policy	(Days 127)	
	• Liberalisation, Globalisation & Privatisation	(Days 128)	
	• Fiscal Reforms & Monetary Reforms	(Days 129)	
	• Positive Impact of LPG Policies	(Days 130)	
	• Demonetisation - Concept	(Days 131)	
	• GST - Concept	(Days 132)	
Unit- V	Current Challenges facing Indian Economy		(20Marks)
	• Human Capital formation- Concept and how people become Resource	(Days 133)	
	• Role of Human Capital Formation	(Days 134)	
	• Problem and Suggestion of Human Capital Formation	(Days 135)	
	• Importance and Meaning of Education	(Days 136)	
	• Growth of Education Sector in India	(Days 137)	
	• Rural Development – Meaning & Objectives	(Days 138)	
	• Rural Credit – Sources	(Days 139)	

	• Agricultural Diversification	(Days 140)	
	• Organic farming	(Days 141)	
	• Employment – Concept & Types & Policies	(Days 142)	
	• Employment – Problems & Suggestion	(Days 143)	
	• Sustainable Economic Development – Meaning and Effects	(Days 144)	
	• Difference between Sustainable development, Economic Development & Economic Growth	(Days 145)	
	• Environment Degradation Causes	(Days 146)	
	• Seventeen Development Goals.	(Days 147)	
Unit –VI	Development Experience of India		(8 Marks)
	• Comparison between India & China	(Days 148)	
	• Comparison between India & Pakistan	(Days 149)	
	• Strength & Weakness of India, Pakistan	(Days 150)	
	• Strength & Weakness of China	(Days 151)	
	• Indicators of the nation towards GDP Education, Per Capita Income Growth rate etc.	(Days 152)	

SUBJECT: SOCIOLOGY

TOTAL LECTURE : 140

UNIT: 1	13 LECTURES
➤ INTRODUCTON TO SOCIOLOGY	
• Concept, Nature ad Subject – matter of Sociology	3 Lectures
• Emergence of Sociology, Enlightenment, Industrial Revolution	3 Lectures
• Society, Concept, Structure, Function and types	3 Lectures
• Society: Functional and Conflict perspective	3 Lectures
REVISION	1 Lecture
Unit-II	22 LECTURES
➤ BASIC CONCEPTS	
• Social Groups :Concept and Nature	2 Lectures
• Primary, Secondary and Reference groups	3 Lectures
• Social Stratification : Concept and Nature	3 Lectures
• Caste and Class	3 Lectures
• Social Control : Concept and Nature	3 Lectures
• Agencies of Social Control	3 Lectures
• Status and Role : Concept and Nature	3 Lectures
• Types of Status and Role	2 Lectures
Unit-III	27 LECTURES

➤ SOCIAL INSTITUTIONS	
• Concept and Definition of Social Institution	2 Lectures
• Family: Structure and Functions	3 Lectures
• Marriage: Concept and Types of Marriage	3 Lectures
• Kinship: Concept ,Terminology, Types and Rules	4 Lectures
• Religion: Concept, Role and Function	4 Lectures
• Education: Role and Functions	3Lectures
• Polity, State, Sovereignty, Legislature, Executive &Judiciary	4 Lectures
• Economy: Concept and Nature, Jajmani System, Socialistic and Capitalistic System	3 Lectures
REVISION	1 Lecture
Unit-IV	09 LECTURES
➤ CULTURE AND SOCIETY	
• Culture :Concept and Dimensions	2 Lectures
• Values: Norms , Folkways & Customs	3 Lectures
• Socialization Agencies of Socialization	2 Lectures
• Pluralistic and Culture Ethos with Special reference to J&K	2 Lectures
Unit-V	10 LECTURES
➤ DOING SOCIOLOGY	
• Research concepts and its importance in daily life	2 Lectures
• Research Process and Research design.	2 Lectures
• Research methods : Qualitative and Quantitative (Objectivity and Subjectivity)	3 Lectures
• Techniques of data collection: Survey, Case Study, observation, Questionnaire	3 Lectures
UNIT-VI	09 LECTURES
➤ CLASSICAL SOCIOLOGICAL THOUGHTS	
• August Comte: Law of three stages	2 Lectures
• Karl Marx : Class and Class struggle	2 Lectures
• Emile Durkheim: Social fact- Suicide	2 Lectures
• Max Weber : Religion	2 Lectures
REVISION	1 Lecture
Unit-VII	09 LECTURES
➤ INDIAN SOCIOLOGICAL THOUGHTS	
• G.S. Ghurye’s Caste and Race in India	3 Lectures
• D.P. Mukherjee: Tradition and Modernity	2 Lectures
• M.N. Srinivas : Sanskritization	2 Lectures
• Imtiyaz Ahmed	2 Lectures

Unit-VIII		13 LECTURES
<p>➤ SOCIAL STRUCTURE AND PROCESS IN INDIAN SOCIETY</p> <ul style="list-style-type: none"> • Social Structure : Concept • Social Process: Concept and Nature • Types of Social Processes • Cooperation , Division of Labour • Conflict and Competition 		<p>1 Lecture 2 Lectures 3 Lectures 3 Lectures 4 Lectures</p>
Unit-IX		16 LECTURES
<p>➤ SOCIAL CHANGE</p> <ul style="list-style-type: none"> • Social change : Conflict Model • Social change : Evolutionary Model • Social Order: Deviance • Social Order: Conformity • Social change in Rural society (Structural & Functional) • Social change in Urban society (Structural & Functional) 		<p>3 Lectures 3 Lectures 2 Lectures 2 Lectures 3 Lectures 3 Lectures</p>
UNIT- X		13 LECTURES
<p>➤ ENVIRONMENT AND SOCIETY</p> <ul style="list-style-type: none"> • Concept of Ecology • Concept of Social Environment • Relationship of Ecology and Social Environment • Preservation of water bodies and their Significance with special reference to J&K, Dal Lake, WularLake, Mansar Lake, Jhelum & Jammu Tawi etc. • Deforestation and its impact on society • Social Response to Natural Disaster Earth quake, floods (J&K) 		<p>1 Lecture 1 Lecture 2 Lectures 5 Lectures 2 Lectures 2 Lectures</p>
Total Marks : 100		
Theory : 80 Marks		Practical : 20 Marks

SUBJECT: HISTORY

	INTRODUCTION TO WORLD HISTORY	
SECTION- A	EARLY SOCIETIES	10 LECTURES
Chapter – 1	<p>EARLY CITIES (Focus : Iraq 3 Millennium B.C)</p> <ul style="list-style-type: none"> a) Growth of towns b) Nature of early urban societies c) Historians debates of uses of writing d) Map work on Smart- Board 	
SECTION- B	EMPIRES	10 LECTURES

Chapter – 2	<p>AN EMPIRE ACROSS THREE CONTINENTS (Focus : Roman Empire, 27 B.C to 600 A.D)</p> <ul style="list-style-type: none"> a) Political evolution b) Economic expansion c) Religion d) Late Antiquity e) Debate on the institution of slavery f) Map work on Smart- Board 	
Chapter – 3	<p>NOMADIC EMPIRES : Focus : The Mongol , 13th & 14th CE)</p> <ul style="list-style-type: none"> a) The Nature of Nomadism b) Formation of Empires c) Conquests and relations with other States d) Historian Views on nomadic societies and State formation . f) Map work on Smart- Board 	
SECTION-C	CHANGING TRADITIONS	
Chapter – 4	<p>THE THREE ORDERS (Focus : Western Europe, 13th to 16th CE)</p> <ul style="list-style-type: none"> a) Feudal society and economy. b) Formation of states. c) Church and Society d) Historians views on decline of Feudalism. f) Map work on Smart- Board 	10 LECTURES
Chapter – 5	<p>CHANGING CULTURAL TRADITIONS (Focus : Europe 14th to 17th Century)</p> <ul style="list-style-type: none"> a) New idea and New trends in Literature and Arts b) Relationship with earlier ideas. c) The contribution of the west Asia. d) Historians viewpoints on the Validity of the Nation European Renaissance. f) Map work on Smart- Board 	10 LECTURES
SECTION-D	PATHS TO MODERNIZATION	10 LECTURES

Chapter – 6	DISPLACING INDIGENOUS PEOPLE (Focus : North America and Australia, 18th to 20th C.E) a) European colonists in North America and Australia. b) Formation of white settler societies. c) Displacement and repression of local people. d) Historians viewpoints on the impact of European settlement on indigeneous people / population f) Map work on Smart- Board	
Chapter – 7	PATHS TO MODERNIZATION (Focus : East Asia . Late 19th to 20th CE) a) Militarization and economic growth in Japan b) China and the communist alternative. c) Historians debate on the meaning of modernization. d) Map work on Smart- Board	10 LECTURES
	Project Work: 20 Marks	20 LECTURES

TOTAL NO. OF LECTURES: 140

SUBJECT: GEOGRAPHY

Theory Marks = 70

Internal marks = 10 External marks = 20

PART – A	FUNDAMENTALS OF PHYSICAL GEOGRAPHY	LECTURES
	Unit-I	5 Lecture
Chapter 1	GEOGRAPHY AS A DISCIPLINE a) Geography as an integrating discipline, as a science of spatial attributes b) Branches of geography importance of physical geography	3 Lectures 2 Lectures
	Unit-II	12 lecture
Chapter 2	THE EARTH a) Origin and evolution of the earth; b) Early theories, Modern Theories c) The Star formation, formation of planets, our solar system d) The Moon, Origin of Life.	4 lecture 2 lecture 3 Lecture 3 lecture
Chapter 3	INTERIOR OF THE EARTH a) Direct sources, indirect sources b) Earthquake, Earthquake waves c) Types of Earthquake d) Effects of Earthquake e) Structure of the Earth f) Volcanoes and Volcanic and forms	8 lecture 2 Lecture 1 lecture 1 Lecture 1 lecture 1 lecture 2 lecture

Chapter 4	DISTRIBUTION OF OCEANS AND CONTINENTS a) Continental Drift b) Evidence in Support of the Continental Drift. c) Force For Drifting d) Post-Drift Studies e) Ocean floor configuration. f) Distribution of Earthquake and Volcanoes g) Sea- floor spreading, Plate Tectonics Revision	13 lecture 1 lecture 2 lecture 2 lecture 2 lecture 1 lecture 2 lecture 2 lecture 1 lecture
	Unit-III (LANDFORMS)	11 Lecture
Chapter 6	GEOMORPHIC PROCESSES a) Endogenic Processes , Exogenic processes, b) Weathering (Chemical and Physical) c) Mass movement and landslide c) Soil formation, process of soil formation and factors. d) Revision	2 lecture 3 lecture 2 lecture 1 lecture 2 lecture 1 lecture
Chapter 7	LANDFORMS AND THEIR EVOLUTION a) Running water b) Erosional Landforms c) Depositional Landforms d) Glacier/ Glacial Valley/ Trough Winds	8 Lecture 2 Lecture 2 Lecture 2 Lecture 2 Lecture
PART – B	INDIAN – PHYSICAL ENVIRONMENT	
	Unit-I	6 Lecture
Chapter 1	INTRODUCTION INDIA -- LOCATION a) Location-space relations and Indians place in the worlds. b) India and its neighbor	4 Periods 2 Lectures
	Unit-II	15 Lecture
Chapter 2	PHYSIOGRAPHY a) Peninsular Block, the Himalaya b) India- Ganga- Brahmaputra Plains c) Physiography Northern Plains, Peninsular Plateaus, Indian Desert, the coastal Plains the Islands d) Revision	5 Lecture 3 Lecture 2 Lecture 3 Lecture 2 Lecture
Chapter 3	DRAINAGE SYSTEM	9 Lecture
	a) The Drainage system of India b) Himalayan and River system c) The Ganga System, The Brahmaputra system, Rivers towards East and West Flowing, Extent of usability of River Water. d) Revision	2 Lecture 1 Lecture 2 Lecture 2 Lecture 2 Lecture

PART –A	FUNDAMENTALS OF PHYSICAL GEOGRAPHY	
	Unit-IV (CLIMATE)	4 Lecture
Chapter 8	COMPOSITION AND STRUCTURE OF ATMOSPHERE a) Composition of Atmosphere b) Structure of the Atmosphere	2 Lectures 2 Lectures
Chapter 9	SOLAR RADIATION, HEAT BALANCE AND TEMPERATURE a) Solar Radiation, Heating and Cooling of Atmosphere b) Heat Budget of the planet Earth. c) Temperature and Inversion of temperature	6 Lecture 2 Lecture 2 Lecture 2Lecture
Chapter 10	ATMOSPHERIC CIRCULATION AND WEATHER SYSTEMS a) Atmospheric pressure b) Horizontal Distribution of pressure c) Forces Affecting the velocity and Direction of wind. d) General Circulation of the Atmosphere	7 Lecture 1 Lectures 2 Lectures 2 Lecture 2 Lecture
Chapter 11	WATER IN THE ATMOSPHERE a) Evaporation and Condensation b) Dew, Frost, Fog and Mist, Clouds c) Precipitation, Types of Rainfall d) World Distribution of Rainfall	5 Lecture 1 Lectures 2 Lectures 1 Lectures 1 Lectures
Chapter 12	WORLD CLIMATE AND CLIMATE CHANGE a) Koeppen’s Scheme of Classification of climate b) Green houses effect, Global Warming and Climate change c) Revision	5 Lectures 2 Lectures 2 Lectures 1 Lectures
PART – B	INDIAN – PHYSICAL ENVIRONMENT	
	Unit-III	11Periods

	CLIMATE AND NATURAL VEGETATION a) Unity and Diversity in the Monsoon climate b) Factors determining the climate of India c) Mechanism of weather in the winter season and Summer Season d) The Nature of Indian Monsoon e) The Rhythm of seasons f) The South West Monsoon Season g) Monsoon winds of the Arabian sea and the Bay of Bengal h) Global Warming i) Revision	2 Lecture 1 Lecture 1 Lectures 1 Lectures 1 Lectures 2 Lectures 2Lectures 1 Lectures
Chapter 4		
	NATURAL VEGETATION a) Types of Forest b) Forest Cover in India c) Forest Conservation d) Wildlife and Wildlife Conservation in India	4 Lecture 1 Lecture 1 Lecture 1 Lecture 1 Lecture
Chapter 5		
	Unit-IV	5 Lectures
	NATURAL HAZARDS AND DISASTERS: a) Disaster and Classification of Natural Disaster b) Earthquakes and effects of earthquake c) Tsunami , Tropical Cyclone, Floods d) Droughts e) Revision	1 Lecture 2 Lecture 1 Lecture 1 Lecture
Chapter 7		
	FUNDAMENTALS OF PHYSICAL GEOGRAPHY	
	Unit-V WATER(CLIMATE)	5 Lecture
Chapter 13	WATER (OCEANS) a) Hydrological cycle b) Relief of the Ocean floor c) Temperature of the Ocean Water d) Salinity of the Ocean Water	1 Lecture 1 Lecture 1 Lecture 2 Lecture
Chapter 14	MOVEMENTS OF OCEAN WATER a) Waves, Tides b) Ocean currents and its types c) Effects of Ocean Currents d) Revision	6 Lecture 1 Lectures 2 Lectures 1 Lectures 2 Lectures

SUBJECT: EDUCATION

TOTAL LECTURES = 141

TOTAL MARKS = 100

UNIT – 1	MEANING AND CONCEPT OF EDUCATION	(Total 10 Lectures)
-----------------	---	----------------------------

1.	Concept and Meaning of Education.	1 Lecture
2.	Old Concept of Education.	1 Lecture
3.	Modern Concept of Education.	1 Lecture
4.	Definition of Education - (a) Pestalozzi (b) Redden (c) M.K Gandhi (d) Dr. Zakir Hussain (e) Dr. Mohd. Iqbal	2 Lectures
5.	Narrow and Broader Meaning of Education.	1 Lecture
6.	Nature of Education.	1 Lecture
7.	Dimensions of Education	1 Lecture
8.	Need and Importance of Education.	1 Lecture
Assignment	Quiz related to the above chapter in the class.	1 Lecture
UNIT – 2	UNDERSTANDING AIMS OF EDUCATION	(Total 15 Lectures)
1.	Meaning and Importance of Aims of Education	2 Lectures
2.	Factors influencing Aims of Education.	1 Lecture
3.	Individual Aims of Education	2 Lectures
4.	Social Aims of Education.	2 Lectures
5.	Cultural Aims of Education.	2 Lectures
6.	Vocational Aims of Education.	2 Lectures
7.	Moral Aims of Education.	2 Lectures
8.	Spiritual Aims of Education.	2 Lectures
Assignment	How different aims of Education Change the whole personality of the child.	
UNIT- III	UNDERSTANDING AGENCIES OF EDUCATION	(Total 15 Lectures)
1.	Meaning and Classification of Agencies of Education	1 Lecture
2.	Types of Agencies of Education (a) Formal ----- School and religious institution (b) Informal----- Family and Society (c) Non Formal ----- Open school Distance Education Mass Media	3 Lectures 3 Lectures 2 Lectures 2 Lectures 4 Lectures
Assignment	How your School and Home in Collaboration helps in your harmonious development?	
UNIT – IV	ORGANISATION AND STRUCTURE OF EDUCATION IN INDIA	(Total 24 Lectures)

1.	Pre – Primary Education with special reference to organization, Structure and Aims.	6 Lectures
2.	Primary Education with special reference to organization, Structure and Aims.	6 Lectures
3.	Secondary Education with special reference to organization, Structure and Aims.	6 Lectures
4.	Higher Education with special reference to organization, Structure and Aims.	6 Lectures
Assignment	What are the hindrances (obstacles) responsible for the improper functioning of Higher education in India?	
UNIT – V	UNIVERSALISATION OF ELEMENTARY EDUCATION	(Total 19 Lectures)
1.	Concept of Universalization of Elementary Education	1 Lecture
2.	Need and importance of universalization of Elementary Education.	1 Lecture
3.	Problems and Solutions of Universalization of Elementary Education.	2 Lectures
4.	Initiatives of Elementary Education. a) Non-formal Education. b) Early Childhood Care and Education c) Right to Education Act 1997 d) Right to Education Act 2009 e) Sarva Shiksha Abhiyan	2 Lectures 2 Lectures 2 Lectures 2 Lectures 2 Lectures
5.	Wastage and Stagnation. (Meaning)	1 Lecture
6.	Causes of Wastage and Stagnation.	1 Lecture
7.	Controlling / Suggestion / Remedies for Wastage and Stagnation.	2 Lectures
Assignment	Debate How we can put our own efforts in universalization of Elementary Education?	1 Lecture
UNIT – VI	EDUCATIONAL PSYCHOLOGY	(Total 10 Lectures)
1.	Meaning of Educational Psychology	1 Lecture
2.	Definition of Educational Psychology	1 Lecture
3.	(a) Stern (b) Skinner (c) Judd (d) Crow and Crow	1 Lecture
4.	Need and Importance of Educational Psychology	1 Lecture
5.	Scope of Educational Psychology	2 Lectures
	Methods of Educational psychology a) Observation Method b) Case – Study Method	2 Lectures 2 Lectures
Assignment	Action Research (Problem to be taken in the class and to find what could be its causes and how to control it.)	1 Lecture

UNIT – VII	EMOTIONS	(Total 13 Lectures)
1.	Concept of Emotions	1 Lecture
2.	Definitions of Emotions (a) McDougall (b) Wood Worth (c) Gates	1 Lecture
3.	Characteristics of Emotions	1 Lecture
4.	Types of Emotions (a) Fear (b) Anger (c) Jealousy	5 Lectures
5.	Classification of Emotions as proposed by McDougall	1 Lecture
6.	Training of Emotions – (a) Sublimation (b) Catharsis	2 Lectures
7.	Importance of Training of Emotion	1 Lecture
Assignment	Practice of Objective Type Questions in the Class.	1 Lecture
UNIT- VIII	Value Education	(Total 11 Lectures)
1.	Conceptual Clarity of Values Education	2 Lectures
2.	Need and Importance of Value Education	2 Lectures
3.	Types of values (a) Social values (b) Moral values (c) Religious values	2 Lectures 2 Lectures 2 Lectures
4.	Role of Education in imbibing values	1 Lecture
Assignment	How does values impact your personality?	
UNIT – IX	ELEMENTARY STATISTICS	(Total 14 Lectures)
1.	Meaning of Statistics	1 Lecture
2.	Tabulation of Data into Frequency Distribution	1 Lecture
3.	Graphical Representation of Data (a) Frequency Polygon (b) Histogram (c) Ogive (d) Pie – Chart	1 Lecture 1 Lecture 1 Lecture 2 Lectures
4.	Measures of Central Tendency (a) Mean (b) Median (c) Mode (Calculations only)	2 Lectures 2 Lectures 2 Lectures
Assignment	Practice of Questions in the class.	1 Lecture
UNIT – X	ENVIRONMENTAL EDUCATION	(Total 10 Lectures)

1.	Concept of Environmental Education	2 Lectures
2.	Aims and objectives of Environmental Education	2 Lectures
3.	Need and Importance of Environmental Education	1 Lecture
4.	Environmental Pollution a) Air Pollution (Meaning, causes and control) b) Water Pollution (Meaning, causes and control) c) Noise Pollution (Meaning, causes and control)	1 Lecture 1 Lecture 1 Lecture
5.	Methods of Improving Environment with special reference to role of Education.	2 Lectures
Assignment	Write slogans – How we can protect our environment.	

SUBJECT: POLITICAL SCIENCE **M.M: 100**

Days	
Day 1	Discussion about Political Science as a Subject .
Day 2	Career option of Pol. Science in life .
	CHAPTER – 1 MAKING OF CONSTITUTION
Day 3	Meaning of Constitution & Types .
Day 4	Need & Importance of Constitution
Day 5	Partition & Working of Constituent Assembly
Day 6	Drafting Committee & Role of Constitution Maker
Day 7	Sources of Constitution
Day 8	Revision & Oral test of whole chapter
	CHAPTER – 2 FUNDAMENTAL RIGHTS
Day 9	Rights & Fundamental Rights
Day 10	Bill of Rights & Needs
Day 11	Fundamental Rights
Day 12	Removal of Right to Property
Day 13	Fundamental Rights & Role of Courts in ensuring fundamental Rights
Day 14	Fundamental Duties & Directive Principle of State Policy
Day 15	Written test of Chapter - 1
	PART – B
	CHAPTER – 11 POLITICAL THEORY
Day 16	Meaning & Importance of Political Theory
Day 17	Need of Political Theory
Day 18	Need of Arguments to resolve Political Reasoning
Day 19	Importance of Political Theory for Students & Citizens
Day 20	Revision of whole Syllabus & discussion.
	CHAPTER – 12 FREEDOM
Day 21	Freedom & its types
Day 22	Liberty & its types
Day 23	Reasonable constraints & their Importance
Day 24	Relation between liberty and freedom
Day 25	Written test of Chapter – 2 (fundamental rights)

PART - A	
CHAPTER - 3 SYSTEM OF REPRESENTATIONAL DEMOCRACY	
Day 26	Meaning & Method of Election
Day 27	Democracy & its types & Role/ Direct & Indirect Democracy .
Day 28	FPTP (First Past the Post System) Why India adopted it.
Day 29	Proportional Representation.
Day 30	Election Commission, Composition & function.
Day 31	Drawbacks of Indian Electoral System.
Day 32	Provision to ensure free & fair election.
Day 33	Steps in Election Procedure
Day 34	Revision of whole chapter
CHAPTER - 4 EXECUTIVE IN A PARLIAMENTARY SYSTEM	
Day 35	Importance of Parliamentary System
Day 36	Constitutional head (President) Powers & function
Day 37	Prime - Minister & Cabinet
Day 38	Governor of State, Appointment & Power
Day 39	Chief Minister & State Legislature
Day 40	Types of Executive
Day 41	Revision test of Chapter - 11 (Political theory)
PART - B	
CHAPTER - 13 EQUALITY	
Day 42	Meaning of Equality & its types
Day 43	Different forms of inequality
Day 44	How Equality is a paradox
Day 45	Do all inequalities are insane
Day 46	What are the base to establish equality
Day 47	Relation between liberty & equality
Day 48	Group Discussion about Equality & Inequality
CHAPTER - 14 SOCIAL JUSTICE	
Day 49	Meaning of Justice & its types
Day 50	Ways to impart justice
Day 51	How justice can be secured
Day 52	Role of Govt. to impart Justice Capitalism & Socialism
Day 53	Revision test of Chapter - 13 & Chapter 14
PART - A	
CHAPTER - 5 LEGISLATURE AT CENTRE & STATE	
Day 54	Meaning of Legislature & Parliament
Day 55	Why we need two houses
Day 56	Function & Composition of Parliament
Day 57	State Assembly
Day 58	How bill become law
Day 59	How Parliament control executive
Day 60	Defection & ways to prevent
Day 61	Revision test of Chapter - 4 & 5

CHAPTER - 6 JUDICIARY	
Day 62	Rule of Law
Day 63	Why do we need & independent judiciary
Day 64	Provision of independent Judiciary
Day 65	Judicial system in India
Day 66	Appointment of Judges & Hierarchy
Day 67	Composition & Power of Supreme Court
Day 68	State High Court
Day 69	Judicial Activism
Day 70	Judicial Review (PIL) Public Interest Litigation
Day 71	Removal of Judges & Role of Executive & Legislature in Appointment & Removal of Judges
Day 72	Discussion & Queries
CHAPTER - 07 FEDERATION	
Day 73	Meaning of Federation & Federal Structure in India .
Day 74	India as a Quasi- federal
Day 75	Provision to make centre more power
Day 76	Special Provision Article 370 & 371
Day 77	Revision
PART - B	
CHAPTER - 15 RIGHTS	
Day 78	Rights & Claim
Day 79	Kinds of Right
Day 80	How State ensure Rights
Day 81	How to resolve conflict between Individual & Community Right
Day 82	Revision of Claim
Day 83	Revision of Right
CHAPTER - 16 CITIZENSHIP	
Day 84	Meaning of Citizenship
Day 85	Citizen & Alien
Day 86	Natural Citizen and Naturalized Citizen
Day 87	How Citizenship acquire & loss
Day 88	Global & Universal Citizenship
Day 89	Refugee Citizen & Alien
Day 90	Revision
CHAPTER - 8 LOCAL GOVERNMENT	
Day 91	Local Govt. (Meaning & Types)
Day 92	Need of Local Govt.
Day 93	Development of Local Govt. in India
Day 94	73 rd Amendment & Rural Govt.
Day 95	74 th Amendment & Urban Govt.
Day 96	Decentralization of Power
Day 97	Role of Reservation of Women in Local bodies
Day 98	Sarpanch, Gram Sabha & Panchayat Samiti

Day 99	Revision Test
	CHAPTER – 9 POLITICAL PHILOSOPHY UNDERLYING THE CONSTITUTION
Day 100	Meaning & Importance of Political Philosophy
Day 101	Core provision of Constitution
Day 102	Role of Core Provision in shaping Constitution
Day 103	Revision of Political Philosophy
Day 104	Presentation on Core Provision
	CHAPTER – 10 CONSTITUTION AS A LIVING DOCUMENT
Day 105	Meaning of Constitution
Day 106	Constitution since 1950 till now
Day 107	Major Changes in Constitution
Day 108	42 nd & 44 th Amendment
Day 109	Different terms of Preamble
Day 110	Methods to amend Constitution
Day 111	Simple Majority & Special Majority
Day 112	Role of State Assembly in Amendment of Constitution
Day 113	Why there are so many amendment in the Constitution
Day 114	Role of Constitution in working of Democracy.
Day 115	How Constitution is a living Document
Day 116	Criticism of Indian Constitution
Day 117	Oral test & Discussion
	PART - B
	CHAPTER – 17 NATIONALISM
Day 118	Define Nation & Formation of Nation States
Day 119	What is Nationalism
Day 120	Feature of Nation
Day 121	India as a Nation of Diversity
Day 122	Various approached to unite the diversity
Day 123	Self determination
Day 124	Obstacle in the way of Nationalism
Day 125	How obstacle can be removed
Day 126	What are demands a nation may from its Citizen
Day 127	Emergence of feeling of Nationalism in Europe & its impact in India
Day 128	How diversity makes India a Unique Nation.
Day 129	Role of French Revolution in forming national state.
Day 130	Revision of whole Chapter
	CHAPTER – 18 SECULARISM
Day 131	What is Secularism
Day 132	Indian Secularism & its feature
Day 133	Western Secularism & its feature
Day 134	Difference between Indian & Western model of Secularism
Day 135	Why do we need a Secular State in modern time
Day 136	What are the Criticism of Indian Constitution

Day 137	How India is a Secular State
Day 138	Inter & Intra Secularism
Day 139	Is Secularism is Suitable for India
Day 140	Revision
No. of Days: 127	

SUBJECT: PSYCHOLOGY

M.M: 100

UNIT – I	INTRODUCTION TO PSYCHOLOGY	4 Lecture
	<ul style="list-style-type: none"> • Nature And Scope Of Psychology • Brief Historical Background of Psychology • Branches of Psychology: Educational, Social Abnormal, Experimental, Clinical, Industrial, land, Cognitive Psychology • School of thought in Psychology, Structuralism, Functionalism, Behaviorism, and Psychoanalysis • Assignment: Discussion and Revision 	2 Lecture 2 Lecture 4 Lecture 4 Lecture 1 Lecture
UNIT – II	METHOD S OF PSYCHOLOGY	11 Lecture
	<ul style="list-style-type: none"> • Observation • Experimental, Survey And Care Study Method • Psychological Testing • Its characteristics, Reliability and Validity • Assignment 	2 Lecture 3 Lecture 2 Lecture 3 Lecture 1 Lecture
UNIT – III	THE BASIS OF HUMAN BEHAVIOUR	16 Lecture
	<ul style="list-style-type: none"> • Biology Behaviour- Structure and function of Nervous system. • Locations and functions of Endocrine systems and its effect on behaviour • Heredity and Behavior: - Genes and Chromosomes • Socio- Cultural basis of behavior: - Family, Neighborhood and School • Assignment 	4 Lecture 4 Lecture 3 Lecture 4 Lecture 1 Lecture
UNIT – IV	HUMAN DEVELOPMENT	12 Lecture
	<ul style="list-style-type: none"> • Meaning And Growth of Development • Factors Influencing Development • Overview of development Stages: - Infancy, Childhood, Adolescence, Adulthood and old Age • Assignment 	2 Lecture 4 Lecture 5 Lecture 1 Lecture
UNIT -- V	SENSORY, ATTENTIONAL AND PERCEPTUAL PROCESS	16 Lecture
	<ul style="list-style-type: none"> • Meaning of Sensation, Attention and Perception • Laws of Perceptual organization 	3 Lecture 2 Lecture

	<ul style="list-style-type: none"> • Attentional process, selective and Sustained Attention, Illusions • Sense Modalities: - Visual and Auditory Modalities • Revision 	2 Lecture 4 Lecture 4 Lecture
UNIT – VI	LEARNING	11 Lecture
	<ul style="list-style-type: none"> • Meaning and Characteristics of Learning • Classical and Operant Learning • Observational Learning, Verbal Learning Skill Learning • Factors facilitating Learning, Transfer of Learning • Revision and above Topics 	2 Lecture 4 Lecture 4 Lecture 1 Lecture
UNIT -- VII	MEMORY AND FORGETTING	15 Lecture
	<ul style="list-style-type: none"> • Meaning of Memory & Its Components • Levels of Processing :- Sensory Memory, Short-Term Memory, Long-Term Memory • Forgetting, Nature of Forgetting, Theories of Forgetting (Trace decay, Interference, Retrieval failure) • Revision 	2 Lecture 2 Lecture 2 Lecture 4 Lecture 1 Lecture
UNIT--VIII	THINKING AND LANGUAGE	15 Lectures
	<ul style="list-style-type: none"> • Nature of Thinking • Process of Thinking, Reasoning • Problem solving and Decision making Nature and process of creative thinking thought and Language • Development of Language and Language use. • Revision 	2 Lecture 5 Lecture 3 Lecture 4 Lecture 1 Lecture
UNIT -- IX	MOTIVATION	15 Lecture
	<ul style="list-style-type: none"> • Meaning, Cycle of Motivation • Biological Motives • Psycho- Social Motives, Achievements, Affiliation and Power • Maslow's Hierarchy of needs • Revision 	3 Lecture 3 Lecture 4 Lecture 4 Lecture 1 Lecture
UNIT -- X	EMOTION	15 Lecture
	<ul style="list-style-type: none"> • Meaning of Emotions and its Characteristics • Theories of Emotion: James- Lange Theory, Cannon-Bard Theory • Emotional reactions: Happiness, Optimism, anger and Fear • Revision 	3 Lecture 5 Lecture 5 Lecture 1 Lecture

SUBJECT: PHYSICAL EDUCATION

Chapter 1st	CONCEPT OF PHYSICAL EDUCATION	7 MARKS
Day 1	Introduction of Physical Education	

Day 2	Meaning and definition of Physical Education
Day 3	Aims and objectives of Physical Education
Day 4	Need and Importance of Physical Education
Day 5	Misconception about Physical Education
Day 6	Old Concept of Physical Education
Day 7	Modern concept of Physical Education
Day 8	Discuss the relationship of Physical Education with general education .
Day 9	15 Multiple Choice Questions from Lesson No. 1
Chapter 2nd	PHYSIOLOGICAL ASPECTS OF PHYSICAL EDUCATION
	7 MARKS
Day 10	Meaning and definition of Physiology
Day 11	Skeletal or Boney System & Joints .
Day 12	Effects of exercise on Skeletal system
Day 13	Muscular System and types of Muscles.
Day 14	Functions of Muscle.
Day 15	Effects of exercise on Muscular System
Day 16	Introduction of Circulatory System (Mechanism of Heart)
Day 17	Functions of Heart
Day 18	Terms related to Heart
Day 19	Effects of exercise on Circulatory system
Day 20	Mechanism of Respiratory system
Day 21	Terms related to Respiratory System.
Day 22	Effects of exercise on Respiratory system
Day 23	Human Digestive system
Day 24	Effects of exercise on digestive system
Day 25	Multiple Choice Questions from Lesson 2 nd .
Chapter 3rd	PSYCHOLOGICAL ASPECTS OF PHYSICAL EDUCATION
	7 MARKS
Day 26	Meaning and definition of Psychology
Day 27	Meaning and definition of Sports Psychology
Day 28	Need and Importance of Sports Psychology
Day 29	Meaning of Motivation and Types
Day 30	Theories of Motivation
Day 31	Meaning of Achievement . Relationship of Motivation and Achievement
Day 32	Sports Ethics and Sportsmanship
Day 33	Multiple Choice Questions
Chapter 4th	CAREER OPTIONS IN PHYSICAL EDUCATION
	7 MARKS
Day 34	Meaning and definition of Career
Day 35	Career option in Physical Education
Day 36	Avenues for career preparation in Physical Education

Day 37	Qualities required for making a Career in Physical Education/ Self Assessment for Career in Physical Education.
Day 38	Eligibility courses for school/colleges teachers
Day 39	Characteristics of Coach/ Health Educator.
Day 40	Multiple Choice Question from Lesson No. 4
Chapter 5th	HEALTH EDUCATION 7 MARKS
Day 41	Meaning and definition of Health and Health Education
Day 42	Objectives and Importance of Health Education
Day 43	Scope and Principles of Health Education
Day 44	Effects of Alcohol on Individual/ Family/ Sports Person
Day 45	Effects of Tobacco on Individual/ Family/ Sports Person
Day 46	Drugs and its types
Day 47	Effects of drugs on Individual/ Sports Person/ Community
Day 48	Community Health Programmes
Day 49	Hypertension and Stress Management
Day 50	Multiple Choice Question from Lesson No. 5
Chapter 6th	CONCEPTS OF MAJOR GAMES/SPORTS 7 Marks
Day 51	Meaning of Physical fitness test
Day 52	Introduction and Concept of Standard Track
Day 53	Long Jump (History, Dimension and Rules)
Day 54	Shot put (History, Dimension and Rules)
Day 55	Running Events :
	Kho-Kho
Day 56	History and measurement of kho-kho
Day 57	Skill and terminology of kho-kho
Day 58	Rules and regulations of kho-kho
Day 59	Practical Work (Fake Kho, Pole Dive, Line Cut, Minus Kho)
	Badminton
Day 60	History and measurement of Badminton
Day 61	Skill and terminology of Badminton
Day 62	Rules and regulations of Badminton
Day 63	Practical Work
	Kabaddi
Day 64	History and measurement of Kabaddi
Day 65	Skill and terminology of Kabaddi
Day 66	Rules and regulations of Kabaddi
Day 67	Practical Work
	Handball
Day 68	History and measurement of Handball
Day 69	Skill and terminology of Handball
Day 70	Rules and regulations of Handball
Day 71	Practical Work

	Hockey
Day 72	History and measurement of Hockey
Day 73	Skill and terminology of Hockey
Day 74	Rules and regulations of Hockey
Day 75	Practical Work
	Archery
Day 76	History and measurement of Archery
Day 77	Skill and terminology of Archery
Day 78	Rules and regulations of Archery
Day 79	Revision of Games and Sports
Chapter 7th	NATIONAL GAMES 7 Marks
Day 80	National Events <ul style="list-style-type: none"> ➤ Independence Day ➤ Republic Day
Day 81	National Award Arjuna Award
Day 82	Dronacharya Award
Day 83	Dhyan Chand Award
Day 84	Major Dhyan Chand Khel Rattan Award
Day 85	Maulana Abul Kalam Azad Trophy (MAKA)
Day 86	Civilian Awards: Bharat Ratna
Day 87	Padma Award
Day 88	National Sports Promotion Award
Day 89	School Game Federation of India
Day 90	Multiple Choice Question from Lesson No. 7
Chapter 8th	OLYMPIC GAMES 7 Marks
Day 91	Ancient and Modern History of Olympic Games
Day 92	Paraolympic Games
Day 93	Summer and Winter Olympic Games.
Day 94	Opening and Closing Ceremony of Olympic Games
Day 95	Olympic ideals, objectives and the Olympic values
Day 96	Olympic Village, Rings and Olympic Flags
Day 97	Olympic Torch, Motto and Oath
Day 98	Multiple Choice Question from Lesson No. 8
Chapter 9th	DIET AND ITS IMPORTANCE IN PHYSICAL DEVELOPMENT 7 Marks
Day 99	Meaning and definition of Diet and Balance Diet
Day 100	Functions of Balance diet
Day 101	Components of Balance diet: Macro Components: <ul style="list-style-type: none"> ➤ Carbohydrates ➤ Fats ➤ Proteins
Day 102	Macro Components:

	<ul style="list-style-type: none"> ➤ Vitamins ➤ Minerals ➤ Water
Day 103	Factors affecting diet
Day 104	Role of diet in the Performance of Sports Person
Day 105	Obesity and its types
Day 106	Causes of obesity
Day 107	Preventive measures of obesity
Day 108	Effects of obesity on health of sports person
Day 109	Physical fitness and its components
Day 110	Body Mass Index (BMI)
Day 111	Diet during Preparatory Period Competition and Transition Period
Day 112	Multiple Choice Question from Lesson No. 9
Chapter 10th	COMMON SPORTS INJURIES AND REHABILITATION 7 Marks
Day 113	Meaning and definition of Sports Injuries
Day 114	Classification of sports Injuries <ul style="list-style-type: none"> ➤ Soft Tissue Injuries (Sprain) ➤ Major Injuries (Strain)
Day 115	Minor Injuries (Laceration, Abrasion, Contusion, Incision, Blister)
Day 116	Hard Tissue Injuries- Fracture and its types
Day 117	Dislocation and Treatment of Dislocation
Day 118	Causes of Sports Injuries
Day 119	Preventive measures of sports injuries
Day 120	First Aid and treatment for Sports Injuries
Day 121	Rehabilitations for Sports Injuries
Day 122	R.I.C E Method
Day 123	Acute and Chronic Injuries
Day 124	Meaning and types of Camping.
Day 125	Equipment used in Camping
Day 126	Meaning and Types of trekking
Day 127	Doping and Types of Doping
Day 128	Drugs used in Doping
Day 129	Meaning and definition of Sports Medicine
Day 130	Importance of Sports Medicine
Day 131	Prevention of Drugs addiction
Day 132	Scope of Sports Medicine
Day 133	Multiple Choice Question from Lesson No. 10

SUBJECT: COMPUTER SCIENCE

UNIT - 1	COMPUTER FUNDAMENTALS	10 Marks
1 day	Introduction to Computer and IT	
1 day	Block Structure Diagram of a Computer System	
1 day	Description of Functional Components of Computer System	

1 day	Functions of Computer System	
2 days	History of Computers	
2 days	Generations of Computers	
2 days	Input devices : Keyboard , Mouse Scanner , BCR, OMR, OCR, MICR, Joystick, Mic	
2 days	Output devices : Monitor , Printer, Speaker, Plotter	
1 day	Introduction to Memory (Memory Chart)	
2 days	Types of Memory (Primary Memory , Secondary Memory, Cache Register)	
1 day	Units of Memory	
2 days	MCQs & Videos on Smart Class	
	TOTAL DAYS = 18	
UNIT -2	SOFTWARE CONCEPTS	10 Marks
1 day	Introduction to Software	
2 days	Hardware and Peripheral Devices	
3 days	System Software and its types	
3 days	Operating System and its function	
2 days	Language Processor and its types	
2 days	Computer language & its types	
2 days	MCQs & Videos on Smart Class	
	TOTAL DAYS = 15	
UNIT -3	NUMBER SYSTEM	10 Marks
1 day	Introduction to Number System	
2 days	Types of Number System	
4 days	Conversion Decimal – Binary Decimal – Octal Decimal – Hexadecimal	
4 days	Conversion Binary – Decimal Binary – Octal Binary – Hexadecimal	
4 days	Conversion Binary – Octal Octal -Binary Octal – Hexadecimal Using Short- Hand Method	
2 days	MCQs & Videos on Smart Class	
	TOTAL DAYS = 17	
UNIT -4	PROGRAMMING METHODOLOGY	10 Marks
2 days	Concept of program & Programming	
2 days	Characteristics of a good program	

1 day	Concept of Modular Approach
1 day	Benefits of Modular Approach
4 days	Program Documentation (Internal & External Documentation)
1 day	Benefits of Program Documentation
1 day	Program Maintenance
3 days	Error & its types
2 days	Debugging & Techniques of Debugging
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 19
UNIT -5	INTRODUCTION TO PYTHON 10 Marks
1 day	Introduction to Python
2 days	Origin / History of Python
2 days	Advantages and Disadvantages of Python
1 day	Python Character Sets
3 days	Tokens and its types
1 day	Input and Print Statement
2 days	Comments and its types
1 day	Concept of Variables
1 day	Rules for Naming a Variable
2 days	Python Program (Basic)
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 18
UNIT -6	DATA TYPES AND OPERATORS 10 Marks
1 day	Built in Datatypes in Python (Chart)
6 days	Number, String, list, Tuple, Dictionary Boolean with Example Program
2 days	Type () function will Program
2 days	Type Casting with Program
1 day	Introduction to Operator (Chart)
4 days	Types of all the operators with Program
2 days	Programs on this Related Unit.
2 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 20
UNIT -7	STRING IN PYTHON 10 Marks
1 day	Introduction to String
1 day	Defining and Assigning String
2 days	Types of String (Single & Multi-line)
3 days	String function and its Programs

1 day	Introduction to String Slicing
3 days	Program for Slicing with all the four System
3 days	Escape Character in a string
3 days	Program Related to this Unit
3 days	MCQs & Videos on Smart Class
	TOTAL DAYS = 20

विषय: हिन्दी

कुल अंक:100

पाठ्यपुस्तक: अनुगूँज

पुस्तक	प्रकरण	दिवस	उपप्रकरण
पद्य भाग	कबीरदास	2	कवि परिचय वस्तुनिष्ठ प्रश्नोत्तर,
		2	काव्यगत विशेषताएँ
		4	व्याख्या तथा प्रश्नोत्तर
गद्य भाग	वापसी	2	परिचय वस्तुनिष्ठ प्रश्नोत्तर,
		3	वाचनचित्रण—चरित्र,
		2	विस्तारपूर्वक प्रश्नोत्तर सार
		2	मुहावरे / विलोम
साहित्य	आदिकाल	2	नामकरण
		2	विशेषताएँ
पद्य भाग	मीराबाई	2	परिचय वस्तुनिष्ठ प्रश्नोत्तर,
		2	काव्यगत विशेषताएँ
		3	व्याख्या तथा प्रश्नोत्तर
		2	पर्यायवाची / वाक्यांश
गद्य भाग	परदा	2	परिचय वस्तुनिष्ठ प्रश्नोत्तर,
		3	वाचनचित्रण—चरित्र,
		3	विस्तारपूर्वक प्रश्नोत्तर सार
साहित्य	भक्तिकाल	3	परिचय तथा विशेषताएँ
व्याकरण	पत्र	3	औपचारिक
पद्य भाग	मलिक मुहम्मद जायसी	3	कवि परिचय वस्तुनिष्ठ प्रश्नोत्तर,
		2	काव्यगत विशेषताएँ
		2	व्याख्या तथा प्रश्नोत्तर
गद्य भाग	शतरंज के खिलाड़ी	2	परिचय वस्तुनिष्ठ प्रश्नोत्तर,
		5	वाचनाचित्रण—चरित्र,
		3	विस्तारपूर्वक प्रश्नोत्तर सार
निबंध	इंस्पेक्टर माता—दीन	5	परिचय वस्तुनिष्ठ प्रश्नोत्तर विस्तारपूर्वक प्रश्नोत्तर

	चाँद पर		
साहित्य	भक्तिकाल	4	ज्ञानमार्गी तथा प्रेममार्गी शाखा की विशेषताएँ
व्याकरण	शब्द भंडार	2	तत्सम, तद्भव, देशी, विदेशी
पद्य भाग	सूरदास	2 2 3	कवि परिचय काव्यगत विशेषताएँ वस्तुनिष्ठ प्रश्नोत्तर, व्याख्या विस्तारपूर्वक प्रश्नोत्तर
गद्य भाग	एक टोकरी भर मिट्टी	2 2 2	परिचय वस्तुनिष्ठ प्रश्नोत्तर, चरित्रसार, चित्रण विस्तारपूर्वक
साहित्य	भक्तिकाल	2 2	रामकाव्य की विशेषताएँ कृष्ण काव्य की विशेषताएँ
व्याकरण	अविवकारी शब्द पत्र अपठित गद्यांश काव्यांश	3 3	पर्यायवाची, अनेकार्थी, वाक्यांश, मुहावरे विलोम अनौपचारिक
पद्य भाग	बिहारी	3 2 3	कवि परिचय, वस्तुनिष्ठ प्रश्नोत्तर, व्याख्या विस्तारपूर्वक प्रश्नोत्तर
गद्य भाग	चुप चन्तारा रोना नहीं	2 2 2 3	परिचय वस्तुनिष्ठ प्रश्नोत्तर, चरित्रचित्रण सार विस्तारपूर्वक प्रश्नोत्तर
व्याकरण	अविवकारी शब्द	2	पर्यायवाची, अनेकार्थी, वाक्यांश, मुहावरे, विलोम
पद्य भाग	तुलसीदास	2 2 2 3	कवि परिचय वस्तुनिष्ठ प्रश्नोत्तर, काव्यगत विशेषताएँ व्याख्या विस्तारपूर्वक प्रश्नोत्तर
व्याकरण	अपठित गद्यांश	2	अनौपचारिक
साहित्य	रीतिकाल	3	परिचय, नामकरण, विशेषताएँ
गद्य भाग	कितिज़	2 2 2	परिचय वस्तुनिष्ठ प्रश्नोत्तर, चरित्रचित्रण सार विस्तारपूर्वक प्रश्नोत्तर

निबंध	आचरण की सभ्यता	3 3	कवि परिचय, वस्तुनिष्ठ प्रश्नोत्तर, विस्तारपूर्वक प्रश्नोत्तर
-------	-------------------	--------	---