



Integrated Program Course Planning (Class 8th)

Academic Session 2016-17

PHYSICS

Course Name : Mission

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.No	Topic Name	Total Lectures	Lecture No.	Sub-topic(s) Name	No. of DPPs	Misc. DPP's
1	Force	3	L-1	Effects of force, Definition of force, Balanced and Unbalanced forces, Resultant force.	2	
			L-2 & L-3	Types of force, Contact and non-contact forces(different types of force) DPP/ module discussion.		
2	Pressure	4	L-4	Pressure, Units of pressure, Some facts involving pressure, Atmospheric pressure.	3	1
			L-5	Pressures exerted by fluids, Role of atmospheric pressure in our day to day life, Manometer		
			L-6 & L-7	Pascal's law, application of Pascal's law, Examples of hydraulic machines DPP/ Module discussion		
3	Friction	2	L-8	Introduction-Friction, Causes of friction, Types of friction.	3	1
			L-9 & L-10	Advantages and disadvantages of Friction, Friction is an necessary evil. Reduction of friction. Friction due to liquids and gases. DPP\ module discussion		
4	Sound Wave	6	L-11	Wave Motion, Classification of waves- differences between different classes, Sound wave	5	1
			L-12	Propagation of sound waves-experimental verification of mechanical behaviour of sound waves, Wave terminology,		
			L-13	Characteristics of sound waves, Difference between loudness and intensity of sound, Speed of sound-affecting factors.		
			L-14	Audible, Ultrasonic and Infrasonic waves, Reflection of sound-Echo,		
5	Chemical Effect of Current	4	L-15 & L-16	Relation between speed of sound, time of hearing echo and distance of reflecting body. Music and noise, Hearing impairment, Measure of intensity of sound, The human ear. DPP/ module discussion	2	1
			L-17	Electricity, Electric charge-types, properties, units, Charging of a body, flow of charges. Earthing ; Conductors, Insulators and Semiconductors.		
			L-18	Electric current, Electric circuit-symbols of components, Electrical conductivity.		
6	Earthquakes	3	L-19 & L-20	Chemical effects of current, Magnetic effect of current, Danger of electricity Safety Measures in using electricity. DPP/module discussion	1	
			L-21	Structure of earth, Earthquake, Plate tectonics Occurrence of earthquake.		
7	Light	7	L-22 & L-23	Seismograph, Seismogram, Richter scale, Hazards of earthquake, Earthquake data, Earthquake preparedness, Safety measures at the time of earthquake. DPP/ module discussion	6	1
			L-24	Optics, Sources of Light, Medium of Light, Rectilinear propagation of Light, Behaviour of light at interface of two media, Characteristics of light		
			L-25	Reflection of light, Laws of Reflection, Types of Reflection, Images.		
			L-26	Mirror, Plane Mirror, Characteristics of Image formed by a Plane Mirror, Lateral inversion , Formation of multiple images by two plane mirrors.		
			L-27	Periscope, Kaleidoscope, Human Eye, Structure and Working of Human Eye.		
9	Night Sky	4	L-28	Defects of vision and their correction, Short Sightedness, Far Sightedness, Presbyopia, Astigmatism,	5	1
			L-29 & L-30	Care of the eyes, Braille system, Non-optical aids and optical aids. DPP\ module discussion		
			L-31	The Night Sky, Astronomical distances, The stars, Galaxies, The Milky-Way Galaxy, Constellation.		
			L-32	The solar system, Sun, Planets, Asteroids, Comets, Meteors.		
			L-33 & L-34	Motion of earth, Satellite, Natural Satellite(Moon). DPP/ module discussion		



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Academic Session 2016-17

CHEMISTRY

Course Name : Mission

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.No	Topic Name	No. of Lectures	Lecture No.	Sub-topic(s) Name	No. of DPPs	Misc. DPP's
1	Synthetic Fibre and Plastics	10	L-1	Synthetic polymers, polymerisation, Fibres, Types of fibres : Natural fibres; synthetic fibres and semi - synthetic fibres.	3	
			L-2	Synthetic clothing material - Rayon, Nylon,		
			L-3	Polyester, Acrylic, Spandex		
			L-4	Advantages and disadvantages of synthetic fabrics, Activity-(1) to study the structure of various Fibres,		
			L-5	Activity-(2) to determine the effect of flame on different Fibres, Activity-(3) to determine relative tensile strength of different Fibres		
			L-6	Module DPP discussion.		
			L-7	Plastics, Types of plastics, General properties of plastics,		
			L-8	General characteristics of Synthetic Plastics & Fibres. Uses of plastics,		
			L-9	Types of waste Problems associated with plastic disposal and their solutions.		
			L-10	Module Dpp discussion		
2	Metals and Non - Metals	7	L-11	Introduction, Occurrence of metals and non - metals, Physical properties of metals.	3	1
			L-12	Physical properties of non - metals, Chemical properties of metals, Activity-(1) test the nature of rust.		
			L-13	Chemical properties of metals, Reactivity Series, Activity-(2) related to displacement reaction.		
			L-14	Experiment-to show that rusting of iron requires both air and water, Uses of common metals,		
			L-15	Uses of noble metals, Chemical properties of non - metals,		
			L-16	Activity (3) to show the nature of non-metallic oxides, Uses of non - metals.		
			L-17	Module Dpp discussion		
3	Coal and Petroleum	8	L-18	Natural resources, Types of natural resources, Fossil fuels.	2	1
			L-19	Coal - Composition, Deposits, Formation,		
			L-20	Destructive distillation and uses.		
			L-21	Petroleum - Deposits, Formation, Refining		
			L-22	Petroleum gas, Natural gas, Uses and Conservation of fossil fuels		
			L-23 & 24	Problems of over utilising, judicious use of energy, recycling of paper		
L-25	Module Dpp discussion					
4	Combustion and Flame	10	L-26	Combustion, Combustible and non combustible substances, Products of combustion	2	1
			L-27	Types of combustion, Activity-(1) to demonstrate that burning of magnesium in air is a chemical reaction,		
			L-28	Conditions necessary for combustion. Activity-(2) to show that air is essential for burning, Activity-(3) to show that attainment of ignition temperature is essential for burning, Explosion,		
			L-29	Flame, Types of flame, Combustion of a wax candle, Zones of a candle flame,		
			L-30	Activity-(4) to show the presence of wax vapour in dark inner Zone, Activity-(5) to show that luminous zone of the candle flame contains unburnt particles of carbon, Activity-(6) to show the presence of non-luminous flame of a burning candle, Activity-(7) to show that non-luminous flame is the hottest part of candle flame, Spherical flame.		
			L-31	Fuels, Types of fuels, Characteristics of fuels, Characteristics of an ideal fuel.		
			L-32	Burning of fuels lead to harmful products, Some commonly used fuels (hydrogen, CNG, LPG),		
			L-33	Green house effect, Fire extinguisher, principle of fire extinguisher		
			L-34	Acid Rain, Sun as source of energy		
			L-35	Module DPP discussion		



Integrated Program Course Planning (Class 8th)

Academic Session 2016-17

BIOLOGY

Course Name : Action

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S. No	Topic Name	Total Lectures	Lecture No.	Sub-topic(s) Name	No. of DPPs	Misc. DPP's
1.	Crop Production	7	L-1	Introduction, Crop plants and crop seasons, types of crop plants	1	
			L-2	Basic practices of crop production (i) Preparation of soil (ii) Sowing of seed		
			L-3	Application of fertilizers and manure, crop rotation		
			L-4	Irrigation, weeding, weed removal.		
			L-5	Harvesting, Storage, Food from animals		
			L-6	DPP discussion		
			L-7	Activities		
2.	Micro-Organism	10	L-8	Major group of micro organism (i) Bacteria (ii) Fungi (iii) Algae	1	1
			L-9	Protozoa, Viruses		
			L-10	Where do microorganism live Useful microorganism (i) Making curd (ii) Making cheese (iii) Making bread and food items		
			L-11	1. Commercial -uses 2. In Agriculture 3. Sources of food		
			L-12	Role of microorganisms in decomposition.		
			L-13	Decomposition in sewage treatment		
			L-14	Preparation of Antibiotics vaccines Harmful microorganisms		
			L-15	Disease causing microorganisms in humans. Disease causing in animals to plants		
3.	Conservation of Biodiversity	5	L-18	Introduction Biodiversity (2) Why conserve biodiversity (3) Causes of loss of biodiversity	1	
			L-19	Causes of deforestation, Consequences of deforestation (3) Recycling of paper and reforestation as steps to reduce deforestation.		
			L-20	Flora and fauna, Biosphere, ecosystem, endemic species, extinct & endangered species, red data book.		
			L-21	1. Protected Areas (i) National parks (ii) Wild life sanctuary (iii) Biosphere Reserve (iv) Project Tiger		
			L-22	DPP discussion		
4.	The Cell	7	L-23	1. Introduction 2. Discovery of cell 3. Organisation of cell in organisms 4. Variety in cell numbers shape and size, cells in an organism v/s Bricks in a building	1	
			L-24	1. Cell structures and functions 2. Cell wall		
			L-25	1. Cell membrane		
			L-26	1. Cytoplasm 2. Nucleus		
			L-27	Cell organelles		
			L-28	1. Comparison between plant and animal cell 2. Comparison between prokaryotic and Eukaryotic cell		
L-29	DPP Discussion					
5.	Reproduction & Adolescence	10	L-30	1. Introduction 2. Modes of reproduction 3. Differences between asexual and sexual reproduction 4. Modes of Asexual reproduction	1	1
			L-31	1. Sexual reproduction in animals 2. Types of fertilization 3. Oviparous & Viviparous animals		
			L-32	1. Sexual reproduction in humans. 2. Male reproductive organ. 3. Female reproductive organ.		
			L-33	1. Fertilization 2. Development of embryo 3. Placenta 4. Test Tube Baby		
			L-34	1. Cloning 2. Metamorphosis 3. Determination of sex of baby.		
			L-35	1. Hormones and endocrine glands		
			L-36	1. Adolescence and puberty 2. Changes at puberty 3. Secondary sexual characteristics		
			L-37	Role of hormones in metamorphosis in insects & frogs.		
L-38	1. Reproductive phase of life in humans 2. Reproductive health					
6.	Pollution of Air and water	6	L-40	Pollution of air, sources of air pollutions	1	
			L-41	Effects of air pollutions, 1 Global warming 2. Acid rain		
			L-42	3. Depletion of ozone 4. Health problems, prevention of air pollutions		

		L-43	1. Pollution of water 2. Sources of water pollution 3. Effects of water pollution	
		L-44	1. Prevention of water pollution 2. Potable water (i) Purification of water in treatment plants. (ii) Purification of water at home	
		L-45 & 46	Case studies & DPP Discussion	



Integrated Program Course Planning (Class 8th)

Academic Session 2016-17

MATHEMATICS

Course Name : Mission

Course Commencement : 4th April 2016

Course Completion : Last Week of jan.'16

S.No	No. of Classes	Topic(s) Name	Lecture No	Sub-topic(s) Name (No. of Lectures)	No. of DPPs	Misc. DPP's
1	10	Rational Number	L-1, 2,3	Classification of numbers, Identification of Prime Number, Rational numbers, Lowest form of rational numbers, Representation of rational number on real line, Absolute value of rational number	1	1
			L-4,5	comparing of two rational number, addition, subtraction of rational number and their properties(i.e closure, commutative, associative and distributive)		
			L-6,7,8	multiplication and division of rational number, rational number between two rational number		
			L-9	Module and DPP discussion		
2	4	Linear equation in one variable	L-10,11	equation, Linear equation, Linear equation in one variable, rules for solving linear equation in one variable	1	
			L-12	Word problems		
			L-13	Module and DPP discussion		
3	4	Statistics	L-14	Introduction, Data, types of data, Presentation of data : (1)tabular method {FDT, GFDT	1	
			L-15	(2)graphical method (a)bar graph (b) histogram		
			L-16	(c)Pie Chart		
			L-17	Module and DPP discussion		
4	1	Probability	L-18	Experiment, types of experiment, Probability and problem based on it(cards, dice, coin) and Module & Dpp discussion	1	
5	8	Squares and Square roots	L-19	Square, perfect squares, properties	1	1
			L-20,22	pattern of squares, Method of finding square number(i)Column method (ii)Diagonal method		
			L-23,24	Square roots, methods of finding square roots (a) prime factorization		
			L-25,26	(b)Long division method (c)Successive subtraction		
			L-27	Module and DPP discussion		
6	6	Cubes and cube roots	L-28	Cubes, perfect cubes, properties of cube numbers,	1	
			L-29-30	method of finding of cube by coloumn method, Cube roots, method of finding the cube roots through pattern(b)using unit digit		
			L-31,32	(c) prime factorization, cube roots of negative numbers		
			L33	Module and DPP discussion		
7	7	Percentage and its application	L-34,35	Percentage, Conversion of Decimal No., Fraction in to Percentage and Vice versa, Percentae Increase or Decrease	1	
			L-36, 37	Problems based on percentage		
			L-38	Various Terms {CP, SP, MP, Profit, Loss, Discount and VAT}, Problem based on SP, CP, Profit and Loss		

			L-39, 40	Problems Based on Discount and VAT, Problem based on successive discount and Module and DPP discussion		
8	4	SI and CI	L-41, 42	Terms {Principal, Amount, Time Period, Rate of interest, Interest }, SI and CI, Difference between SI and CI	1	
			L-43	Problems based on CI, Growth and depreciation		
			L-44	Module and DPP discussion		
9	10	Understanding Quadrilateral	L45,46	Quadrilateral, Convex and Concave Quadrilateral, Angle Sum property of quadrilateral, Types of Quadrilateral	1	
			L-47,48,49,50	Properties of Parallelogram and theorems		
			L-51,52,53	Special type of Parallelogram (Rectangle, Rhombus and Square) and their properties		
			L-54	Module and DPP discussion		
10	6	Playing With Numbers	L-55,56	Number In general form, Divisibility Test	0	1
			L-57,58	AlphaNumeric Puzzles, Puzzles		
			L-59,60	AlphaNumeric Puzzles, Puzzles, Module and DPP discussion		
11	4	Exponents and power	L-61	Exponential notation, positive and negative integral exponent of rational number, laws of exponent	1	
			L-62,63	problem based on exponents, Uses of exponents(a) to express very small and large no. in standard form (b) comparing of very large and small no.		
			L-64	Module and DPP discussion		
12	4	Algebraic expressions	L-65,66	Various definitions (Literals, Constant, Variable, Algebraic Expression), Terms, factors and coefficients, Types of Algebraic expressions, Like and unlike terms, degree of an algebraic expressions, Addition, Subtraction, Multiplication of algebraic expressions.	1	
			L-67,68	Division of Polynomial		
13	4	Algebraic Identities & Factorization	L-69	Algebraic Identities and their applications	1	1
			L-70,71	Factorization		
			L-72	Module and DPP discussion		
14	5	Direct and inverse Proportion	L-73,74,75	Direct and Inverse variation, Work and time, Pipes and Cistern	1	
			L-76,77	Speed, Average Speed, Relative Speed, Problem based on Trains, Module and DPP discussion		
15	7	Mensuration	L-78,79,80	Area of various Plane figure (triangle, quadrilateral, polygon, trapezium, parallelogram, rectangle, Square, Rhombus, circle)	1	
			L-81,82	Solid figures, surface area of cube, cuboid, cylinder		
			L-83	Volume of cube, cuboid, cylinder		
			L-84	Module and DPP discussion		
16	3	Visualising Solid Shape	L-85	2D (plane figure)-3D (solid figure) figure, types of solid prism, pyramid, sphere	0	
			L-86	Polyhedron, Special types of polyhedron, Eulers formula, Nets of 3D shapes, Views of 3D shapes		
			L-87	Module and DPP discussion		
17	4	Practical Geometry	L-88,89	Construction of quadrilateral when (i) 1 diagonal and 4 side (ii) 2 diagonal and 3 side (iii) 4 side and 1 angle (iv) 3 side and 2 included angle (v) 3 angle and 2 included side,	0	1
			L-90	Construction of special types of quadrilateral (parallelogram, rectangle, rhombus, square)		
			L-91	Module and DPP discussion		
18	2	Introduction to graph	L-92,93	Coordinate system, Rectangular coordinate, Plotting the points, Plotting of graph, Reading of Graphs	1	



Integrated Program Course Planning (Class 8th)

Academic Session 2016-17

ENGLISH

Course Name : Mission

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.NO	TOPICS	S.NO	TOPICS
1	NOUN	30	INTERLUDE
2	THE BEST ADVICE I EVER HAD	31	SA-02
3	OZYMANDIAS	32	PREPOSITIONS
4	THE THREE QUESTIONS	33	FROM STORY TELLING TO FILM MAKING
5	PRONOUN	34	TELEVISION
6	SPELLING	35	CONNECTORS
7	NIMAI FOREVER	36	IDIOMS AND PHRASES
8	THE WAY THROUGH THE WOODS	37	UNDER THE GREENWOOD TREE
9	RING OUT ,WILD BELLS,TO THE WILD SKY	38	THE VERGER
10	TO SIR,WITH LOVE	39	AN INSULT THAT CREATED AN EMPIRE
11	NOTICE	40	A NATION'S STRENGTH
12	ONE WORD	41	REPORTED SPEECH
13	MY FINANCIAL CAREER	42	PROVERBS
14	THE GLOVE AND THE LIONS	43	AFTER TWENTY YEARS
15	TEACH YOUR CHILDREN	44	THE CHIMNY SWEEPER
16	RUN,BULBUL,RUN	45	CONDITIONALS
17	ADJECTIVE	46	E-MAIL
18	ADVERB	47	I NICE CUP OF TEA
19	THE OPEN WINDOW	48	LORD ULLIN'S DAUGHTER
20	THE NIGHTANGLE AND THE GLOW WORM	49	MODELS
21	HARVEST HYMM	50	GOOD BYE, MR. CHIPS
22	THE ESCAPE	51	THE IMPORTANCE OF BEING EARNEST
23	WATER WATCH	52	THE GUESTS
24	TENSE	53	TREE POEMS
25	VERB FORMS	54	SYNONYMS AND ANTONYMS
26	PASSIVE VOICE	55	ARTICLE WRITING
27	DETERMINERS	56	THE REHEARSAL
28	DAIRY ENTRY	57	SUBJECT VERB CONCORD
29	LETTER WRITING		



Integrated Program Course Planning (Class 8th)

Academic Session 2016-17

Mental Ability

Course Name : Mission

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.No	Total Lectures	Topic(s) Name	Lecture No.	Sub-topic(s) Name	No. of DPPs	Misc DPP's
1	2	Number Series	L-1, 2	Different type of Number Series.	1	1
2	1	Alphabet Series	L-3	Different type of Alphabet Series, Alpha-Numeric Series.	1	
3	1	Letter Repeating Series	L-4	Different type of Letter Repeating Series.		
4	1	Missing term in figure	L-5	Missing term in figure.	1	
5	1	Mathematical operations	L-6	Application of BODMAS, Problems Solving by Substitution, Interchange of signs & Numbers, Deriving the appropriate conclusions.	1	1
6	1	Alphabet Test	L-7	Alphabetical Order, Letter-word Problems, Alphabetical Quibble, Word Formation by Unscrambling Letters and Word Formation using letters of a given Word.	1	
7	1	Coding-Decoding	L-8	Letter-Letter Coding, Letter-Number Coding, Substitution Coding, Puzzle Based Coding & Column Coding.	1	
8	1	Direction Sense Test	L-9	Direction Sense & Coordinates	1	1
9	1	Sitting arrangement	L-10	Linear Seating Arrangement and Circular Seating Arrangement.	1	
10	1	Ranking & Ordering-Test and Logical Sequence of Words	L-11	Number Quibble, Alphabetical Quibble, Alpha-Numeric Quibble, Ranking Test & Ordering Test & Logical Sequence of Words.	1	
11	1	Blood Relations	L-12	Direct Relationship, Relation Puzzle and Coded Relation	1	1
12	1	Puzzle Test	L-13	Classification type Puzzles, Comparison Type Puzzles, Sequential Order of Things, Selection Based on given Conditions, Family-Based Puzzles and Miscellaneous Puzzles.	1	
13	1	Venn Diagram	L-14	Simple Venn Diagram and Logical Venn Diagram	1	
14	1	Analogy & Pyramid Test	L-15	Kinds of Relationships, Word Analogy, Number Analogy and Alphabet Analogy.	1	1
15	1	Classification	L-16	Classification of Word, Classification of Letter and Classification of Number	1	
16	1	Dice Test	L-17	Different type of Dice test.	1	
17	1	Non-Verbal Series, Analogy and Classification	L-18	Different types of Non-Verbal Series ,Analogy and Classification .	1	1
18	2	Miscellaneous	L-19, 20	Mirror & Water Image of Numbers, Letters, Words, Figures, Paper Folding and Paper Cutting, Counting number of figures generated due to partition lines, Figure , Completion, Figure Formation and Different types of embedded figure.	1	



Integrated Program Course Planning (Class 8th)

Academic Session 2016-17

Computer

Course Name : Mission

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.No	Total Lectures	Topic(s) Name	Lecture No.	Sub-Topic(s) Name	No. of DPP
1	Introduction to Access 2013	2	L-1	What is a Database?, Database management System, Introducing Access 2013, Creating a Database	1
			L-2	Setting Data Types, Creating a Database, Modifying Table Design, Totaling, Sorting, Filtering and Searching Data, Opening & existing database	
2	Access 2013 : Design View, Queries, Forms and Reports	3	L-3	Create Table in Design View, Queries	1
			L-4	Forms	
			L-5	Reports	
3	Lists and Images in HTML 5	3	L-6	Creating Lists	1
			L-7	Nesting Lists	
			L-8	Inserting Images	
4	Tables, Links, and Frames in HTML 5	3	L-9	Creating Tables	1
			L-10	Linking	
			L-11	Inserting Audio and Video, Creating Frames	
5	Audacity	4	L-12	Starting Audacity	1
			L-13	Creating a New Project	
			L-14	Importing and playing Audio Files	
			L-15	Copying or Moving Portions of Audio	
6	Lightworks	3	L-16	Starting Lightworks, Project View	1
			L-17	Basic Editing, Trimming on the Timeline, Transition Effects	
			L-18	Working with Audio, Exporting Files	
7	Introduction to Photoshop CS3	3	L-19	Starting Adobe Photoshop, Selection Tools	1
			L-20	Working with Images	
			L-21	Painting and Drawing Tools, Transforming Objects	
8	Tools used in Photoshop CS3	2	L-22	Retouching Tools, Working with Layers	1
			L-23	Working with Text, Using Filters	
9	Introduction to Dreamweaver CS3	3	L-24	Adobe Dreamweaver, Elements of Dreamweaver	1
			L-25	Adding Text and Images	
			L-26	Working with Hyperlinks, Adding Flash Buttons	
10	Images and Framesets in Dreamweaver CS3	3	L-27	Insert Date and Table, Rollover Images	1
			L-28	Image Placeholder, Image Maps, Framesets and Frames	
			L-29	Linking to Word and Excel Documents	



Integrated Program Course Planning (Class 8th)

Academic Session 2016-17

SOCIAL SCIENCE

Course Name : Mission

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.No	Chapter Name	Turns	Breakup	Topics	No. of DPPS	Misc. DPP
1	RESOURCES	3	L-1	What is Resource?, Types of Resource	1	1
			L-2	Classification of Resources - Origin, Development, exhaustibility, Ownership		
			L-3	Sustainable Development, Sustainable Development involves these Steps		
2	MODERN INDIA	3	L-4	Introduction, Importance of dates in history, Periodisation of history	1	
			L-5	Modern Period, Modernisation & Colonisation		
			L-6	Source Material, Official records, Artifacts, Museums, British & Census survey of India		
3	THE INDIAN CONSTITUTION	4	L-7	Constitution, Why should a country have a constitution	1	
			L-8	India's Constitution, Vision and Values of Indian Constitution		
			L-9	Preamble & Importance of Preamble, Features of Indian Constitution		
			L-10	Fundamental Rights & Directive Principles of State Policy		
4	COLONISATION OF INDIA	4	L-11	Trade Companies, Spread of Mercantilism and Trade wars (Portuguese/Dutch/French/ British) Expansion of power in India	1	
			L-12	Birth of the British Indian Army, From Trading Company to Political Power		
			L-13	Results of Battles, British Conquests outside Bengal		
			L-14	Mysore Wars, Subsidiary Alliance & Subjugation of the Marathas & Expansion of British Rule in India		
5	UNDERSTANDI NG SECULARISM	3	L-15	Secularism, Meaning & Importance	1	
			L-16	Indian Government & Secularism		
			L-17	Test & Review		
6	THE COMPANY'S CIVIL ADMINISTRATI ON & REVENUE POLICY	4	L-18	Structure of Administration & Policy of Land Revenue	1	
			L-19	Its effect on Indian peasantry & landlords & Cultivation of commercial crops in India		
			L-20	Revolt of peasants & Indigo Rebellion		
7	LAND, SOIL & WATER RESOURCE	4	L-21	DPPS + Smart Class	1	
			L-22	Land resources, Land use pattern in India		
			L-23	Soil Resource, Factors affecting Soil Formation & Soil resource of India		
			L-24	Water Resources & Degradation & Conservation of land, Soil and Water resources		
8	TRIBAL RESISTANCE	3	L-25	DPPS + Discussion	1	
			L-26	Tribal occupations, Tribal life under British rule		
			L-27	Oppression of tribals, Tribal revolt		
9	OUR FUNDAMENTAL RIGHTS & DUTIES	4	L-28	Munda Revolts	1	
			L-29	Fundamental Rights		
			L-30	Secularism & Fundamental Rights, Can a Law give Rights in Effect		
			L-31	Fundamental Duties		
10	THE REVOLT OF	4	L-32	DPPS & Smart Class	1	
			L-33	Revolts of 1857 & Causes of the Revolts of 1857	1	1

	1857		L-34	Outbreak of the Revolt, Others Centre of the Revolt		
			L-35	Result & failure of the revolt		
			L-36	DPPS & Discussion		
11	NATURAL VEGETATION & WILDLIFE	4	L-37	Flora & Fauna, Distribution of Natural Vegetation and Wildlife	1	
			L-38	Conservation of Vegetations & wildlife		
			L-39	Forest Fires, Way to Conservation, National Parks, CITES, Biosphere etc		
			L-40	Test & Review		
12	COLONIALISM & URBAN CHANGE	4	L-41	Deurbanisation, Growth of Towns under Colonial Rule	1	
			L-42	Policies and Institution in Colonial Towns, How Delhi Changed		
			L-43	Delhi under the British,Architectural Style, Delhi after partition of India		
			L-44	DPPS&Smart Class		
13	PARLIAMENTA RY GOVERNMENT (THE UNION LEGISLATURE)	6	L-45	Parliament, Election	1	
			L-46	How are Union Legislature works, Important function of the Union Legislature		
			L-47	Parliamentary & Presidential form of Government, Composition & Function of Parliament		
			L-48	Law making powers of parliament, Controlling the Government Finance		
			L-49	Comparison between Lok sabha & Rajya Sabha, The Government in action & Protection of women from Domestic Violence Act		
			L-50	DPPS & Smart Class		
14	CRAFTS & INDUSTRIES	4	L-51	Textile Industry- Conditions before British rule	1	1
			L-52	British trade in Indian Textiles, Industrial Revolution in England & Conditions during British rule, Mechanisation		
			L-53	Iron & Steel industry, Decline of Iron smelting, Modern Iron & Steel Industry of India		
			L-54	DPPS&Smart Class		
15	PARLIAMENTA RY GOVERNMENT (THE UNION EXECUTIVE)	4	L-55	President, Powers, Vice-President	1	
			L-56	P.M. & Council of Ministers		
			L-57	Main Functions & Civil Service		
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16	MINERAL & ENERGY RESOURCES	5	L-59	Mineral, Types of Minerals	1	
			L-60	Distribution of Minerals		
			L-61	India's Mineral Resources		
			L-62	Energy Resources, Conventional Sources		
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17	EDUCATION & BRITISH RULE	6	L-64	Traditional Education in Nineteenth-Century India	1	1
			L-65	Education in India under the British		
			L-66	Role of Indian Reformers, Govt., Anglicists versus Orientalists		
			L-67	Wood's Despatch, Effects of Western Education, National Education		
			L-68	Beginning of Modern Education in Aligarh and Baroda		
			L-69	DPPS&Smart Class		
18	THE JUDICIARY	4	L-70	Judiciary, Independence of the Judiciary, Civil & Criminal Cases, Jurisdiction	1	
			L-71	Structure of Indian judiciary, Supreme Court, High Court		
			L-72	Subordinate Courts & P.I.L. & How a Case Moves from Lower to Higher Courts		
			L-73	DPPS & Discussion		
19	WOMEN, CASTE & REFORM	5	L-74	Movements to improve conditions of Women	1	1
			L-75	Movement against Sati, Widow remarriage, Child Marriage		

			L-76	Movement for womens education, Movement against caste discrimination		
			L-77	Reform movements:Mohandas Karamchand Gandhi, Reform Movements among the Sikhs		
			L-78	DPPS&Smart Class		
20	ROLE OF POLICE & COURTS	3	L-79	Role of the Police, Receiving an FIR	1	
			L-80	Role of the Courts, Role of Public prosecutor		
			L-81	DPPS & Discussion		
21	AGRICULTURE	5	L-82	Agriculture, Factors Influencing Crop Cultivation	1	
			L-83	Types of Agriculture,World pattern of Agriculture, Agriculture in India		
			L-84	Types of crops, Major crops,		
			L-85	Agricultural development, Case Study-USA		
			L-86	DPPS + Smart Class		
22	CHANGES IN ART & ARCHITECTURE	4	L-87	Arts: Paintings	1	
			L-88	Printing Studios, Art Schools, Litature		
			L-89	Theature, Music, Dance & Archietecture		
			L-90	DPPS & Discussion		
23	MARGINALISED GROUPS & SOCIAL JUSTICE	5	L-91	Meaning of Marginalised, Some forms of social Inequality	1	1
			L-92	Position of Adivasis, Discrimination against Adivasis & How Social Status Affects Economic Status		
			L-93	Social Justice and the Indian Constitution, Some Laws to Help the Marginalised		
			L-94	Law on Forest Rights, Law on Manual Scavenging		
			L-95	DPPS & Smart Class		
24	RISE OF INDIAN NATIONALISM	5	L-96	Nationalism, Rise of Political Associations	1	
			L-97	Birth of the Indian Natioanl Congress, Moderate Phase		
			L-98	Extremist Phase & British Policty of Divide and Rule, Revolutionary Activities in India		
			L-99	National Movement During World War-I, Lucknow Session of 1916		
			L-100	DPPS & Discussion		
25	INDUSTRY	5	L-101	Introduction, Location of Industries	1	
			L-102	Industrial Regions, Types of Industries		
			L-103	Industrial development in India		
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26	PUBLIC FACILITIES & SOCIAL JUSTICE	4	L-106	Publc Facilities, How Public Facilities are Provide	1	
			L-107	Distribution of Public Facilities, Examples- Municipal department		
			L-108	DPPS & Smart Class		
			L-109	Test & Review		1
27	NATIONAL MOVEMENT - FULFILMENT	5	L-110	Emergence of Gandhi, Rowlatt Act, Jallianwala Bagh Massacre	1	
			L-111	Khilafat Movement, Non-Cooperation Movement, Withdrawal of the Movement, Developments between 1922 and 1928		
			L-112	Poorna Swaraj, Civil Disobedience Movement		
			L-113	Round Table conferences, Participation of Women, Two-Nation Theory		
			L-114	Govt. of India Act (1935), Final Phase of National Movement & Transfer of Power, Constituent Assembly		
28	HUMAN RESOURCE	4	L-115	Distribution of Population, Physical factors, Non physical factors	1	1
			L-116	Distribution of Population in India, Density of Population, Population changes		
			L-117	Characteristics of Population, -Age Composition, -Sex Ratio, -Working & Dependant population, -Population Pyramid		
			L-118	DPPS +Discussion		

29	LAW & PUBLIC WELFARE	2	L-119	Laws for Different Groups & Implementation	1
			L-120	DPPS & Discussion	
30	INDIA AFTER INDEPENDENCE	4	L-121	Indian Democracy, Major Problems after Independence	1
			L-122	Prospects for the growth of India in future	
			L-123	Planned Development, Planning Commission	
			L-124	Indian's Foreign Policy & SAARC	