

# DELHI PUBLIC SCHOOL SRINAGAR

Syllabus 2020



Class -XI  
Commerce



## SUBJECT: ENGLISH (301)

### APRIL

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
			26
2 <sup>ND</sup> WEEK	<i>The Portrait of a lady</i>		
3 <sup>RD</sup> WEEK	<i>Speech , A Photograph</i>		
4 <sup>TH</sup> WEEK	<i>Re-ordering of sentences (Tenses)</i>		
5 <sup>TH</sup> WEEK	<i>Notices and Letter to the Editor</i> <i>Reading Comprehension</i>		

### MAY

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
			26
1 <sup>ST</sup> WEEK	<i>The Voice of The Rain</i>		
2 <sup>ND</sup> WEEK	<i>The Address</i>		
3 <sup>RD</sup> WEEK	<i>Job Application, Article Writing</i>		
4 <sup>TH</sup> WEEK	<i>Editing Tasks (Tenses), ASL</i>		
5 <sup>TH</sup> WEEK	<i>The Summer of the Beautiful White Horse</i>		

### JUNE

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
			18
1 <sup>ST</sup> WEEK	<i>The Ailing Planet, Dialogue Completion.</i>		
2 <sup>ND</sup> WEEK	<i>Albert Einstein at School, Reading Comprehension.</i>		
3 <sup>RD</sup> WEEK	<i>Note-Making passage, Error Correction (Determiners)</i>		
4 <sup>TH</sup> WEEK	<i>Mid-Term Examination</i>		
5 <sup>TH</sup> WEEK	<i>Mid-Term Examination</i>		

### JULY

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
			11
1 <sup>ST</sup> WEEK	<i>Mid-Term Examination</i>		
2 <sup>ND</sup> WEEK	<i>Mid-Term Examination</i>		
3 <sup>RD</sup> WEEK	<i>Summer Break</i>		
4 <sup>TH</sup> WEEK	<i>Summer Break/ Cross Checking</i>		
5 <sup>TH</sup> WEEK	<i>Childhood, The Browning Version</i>		

## AUGUST

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
			26
1 <sup>ST</sup> WEEK	<i>Ranga's Marriage, Birth</i>		
2 <sup>ND</sup> WEEK	<i>Mother's Day, Gap filling.</i>		
3 <sup>RD</sup> WEEK	<i>Report Writing-Newspaper and Magazine Reports</i>		
4 <sup>TH</sup> WEEK	<i>Omission /Editing Passages (Determiners)</i>		
5 <sup>TH</sup> WEEK	<i>Posters.</i>		

## SEPTEMBER

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
			26
1 <sup>ST</sup> WEEK	<i>Father to Son, We're not Afraid to Die.....</i>		
2 <sup>ND</sup> WEEK	<i>The Tale of Melon City</i>		
3 <sup>RD</sup> WEEK	<i>Note making revision, Transformation of sentences (Modals)</i>		
4 <sup>TH</sup> WEEK	<i>Business Letters</i>		
5 <sup>TH</sup> WEEK	<i>Reading Comprehension</i>		

## OCTOBER

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
			26
1 <sup>ST</sup> WEEK	<i>Grammar exercises (Change of voice )</i>		
2 <sup>ND</sup> WEEK	<i>Classified Advertisements</i>		
3 <sup>RD</sup> WEEK	<i>Classified Advertisements</i>		
4 <sup>TH</sup> WEEK	<i>Display Advertisements, ASL (Final Term)</i>		
5 <sup>TH</sup> WEEK	<i>Revision (All writing skills)</i>		

## NOVEMBER (Class XII)

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
			25
1 <sup>ST</sup> WEEK	<i>Introduction to Underprivileged/Spender/Anees Jung</i>		
2 <sup>ND</sup> WEEK	<i>Elementary School Classroom in a Slum</i>		
3 <sup>RD</sup> WEEK	<i>Grammar exercises (Clauses)</i>		
4 <sup>TH</sup> WEEK	<i>Lost Spring /Saheb-e-Alam</i>		
5 <sup>TH</sup> WEEK	<i>Lost Spring /Mukesh</i>		

## DECEMBER (Class XII)

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
-------------------	--	------------	------------------

<b>1<sup>ST</sup> WEEK</b>	<i>Notices (All three types)</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Invitations and Replies</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Invitations and Replies (Contd.)</i>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Winter Break</i></b>	

# SUBJECT: ACCOUNTANCY (055)

## APRIL

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
➤ <i>Theoretical Framework.</i>	12	25
➤ <i>Accounting Process</i>	40	105
<b>2<sup>ND</sup> WEEK</b>	<i>Introduction to Accounting.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Basic Accounting Terms.</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Theory Base of Accounting.</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Accounting Equation, Project Introduction.</i>	

## MAY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Accounting Process (Continue)</i>	-	-
<b>1<sup>ST</sup> WEEK</b>	<i>Accounting Equation.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Accounting Equation</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Journal</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Journal</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Journal</i>	

## JUNE

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Accounting Process (Continue)</i>	-	-
<b>1<sup>ST</sup> WEEK</b>	<i>Journal Ledger</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Ledger</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Subsidiary Books-I Subsidiary Books-II</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Mid-Term Examination</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Mid-Term Examination</i>	

## JULY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Accounting Process (Continue)</i>	-	-
<b>1<sup>ST</sup> WEEK</b>	<i>Mid-Term Examination</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Mid-Term Examination</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Summer Break</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Summer Break/ Cross Checking</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Subsidiary Books –II Bank Reconciliation statement</i>	

## AUGUST

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>Accounting Process (Contd.)</i>			
<b>1<sup>ST</sup> WEEK</b>	<i>Bank Reconciliation Statement/ Depreciation.</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Depreciation</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Depreciation</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Provisions and Reserves. Accounting for Bills of Exchange.</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Provisions and Reserves. Accounting for Bills of Exchange.</i>		

## SEPTEMBER

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
➤ <i>Accounting Process (Continue)</i> ➤ <i>Financial Statements of Sole Proprietorship from Complete and Incomplete Records.</i>		- 20	- 55
<b>1<sup>ST</sup> WEEK</b>	<i>Accounting for Bills of Exchange.</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Rectification of Errors.</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Financial Statements.</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Financial Statements.</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Financial Statements.</i>		

## OCTOBER

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>Financial statements of Sole Proprietorship from Complete and Incomplete Records (Continue). Computers &amp; Accounting</i>		- 8	- 15
<b>1<sup>ST</sup> WEEK</b>	<i>Accounts from incomplete records/ Project Work Discussion.</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Accounts from incomplete records.</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Accounts from incomplete records.</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Computers in accounting/ Project Work</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Computers in accounting/ Project Work</i>		

## NOVEMBER (Class XII)

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>Not-for-profit Organisation</i>		10	25
<b>1<sup>ST</sup> WEEK</b>	<i>Not-for-profit Organisation</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Not-for-profit Organisation</i>		

<b>3<sup>RD</sup> WEEK</b>	<i>Not-for- profit Organisation</i>
<b>4<sup>TH</sup> WEEK</b>	<i>Not-for- profit Organisation</i>
<b>5<sup>TH</sup> WEEK</b>	<i>Not-for- profit Organisation</i>

**DECEMBER (Class XII)**

<b>TOPICS / CHAPTERS</b>	<b>WEIGHT-AGE</b>	<b>TEACHING PERIODS</b>
<i>Partnership</i>	<i>10</i>	<i>12</i>
<b>1<sup>ST</sup> WEEK</b>	<i>Partnership (Fundamentals).</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Partnership (Fundamentals).</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Partnership (Fundamentals).</i>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Winter Break</i></b>	

# SUBJECT: BUSINESS STUDIES (054)

## APRIL

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
➤ <i>Nature and Purpose of Business.</i> ➤ <i>Forms of Business Organization.</i>	16	18 24
<b>2<sup>ND</sup> WEEK</b>	<i>Nature and Purpose of Business.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Nature and Purpose of Business.</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Forms of Business Organisation</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Forms of Business Organisation.</i>	

## MAY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
➤ <i>Public, Private and Global Enterprises.</i> ➤ <i>Business Services.</i>	14	18 18
<b>1<sup>ST</sup> WEEK</b>	<i>Forms of Business Organisation, Project Discussion.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Forms of Business Organisation.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Public, Private and Global Enterprises.</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Public, Private and Global Enterprises.</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Business Services, Project Evaluation.</i>	

## JUNE

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Emerging Modes of Business.</i>	10	10
<b>1<sup>ST</sup> WEEK</b>	<i>Business Services.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Business Services.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Emerging Modes of Business.</i>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Mid-Term Examination</i></b>	
<b>5<sup>TH</sup> WEEK</b>	<b><i>Mid-Term Examination</i></b>	

## JULY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Emerging Modes of Business.</i>	-	-
<b>1<sup>ST</sup> WEEK</b>	<b><i>Mid-Term Examination</i></b>	
<b>2<sup>ND</sup> WEEK</b>	<b><i>Mid-Term Examination</i></b>	
<b>3<sup>RD</sup> WEEK</b>	<b><i>Summer Break</i></b>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Summer Break/ Cross Checking</i></b>	
<b>5<sup>TH</sup> WEEK</b>	<i>Emerging Modes of Business</i>	

**AUGUST**

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<ul style="list-style-type: none"> <li>➤ <i>Social Responsibility and Business Ethics.</i></li> <li>➤ <i>Sources of Business Finance.</i></li> </ul>		<i>Included in 10 marks(above) 20</i>	12 30
<b>1<sup>ST</sup> WEEK</b>	<i>Social Responsibility and Business Ethics.</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Social Responsibility and Business Ethics.</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Sources of Business Finance.</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Sources of Business Finance.</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Sources of Business Finance.</i>		

**SEPTEMBER**

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<ul style="list-style-type: none"> <li>➤ <i>Small Business</i></li> <li>➤ <i>Internal Trade</i></li> </ul>		<i>Included in 20 marks(above) 20</i>	16 30
<b>1<sup>ST</sup> WEEK</b>	<i>Sources of Business Finance.</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Small Business, Project Discussion.</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Small Business</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Internal Trade.</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Internal Trade, Project Evaluation</i>		

**OCTOBER**

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>International Business</i>		<i>Included in 20 marks(above)</i>	14
<b>1<sup>ST</sup> WEEK</b>	<i>International Business</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>International Business</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>International Business</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Project work</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Project work</i>		

**NOVEMBER (Class XII)**

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<ul style="list-style-type: none"> <li>➤ <i>Nature and Significance of Management</i></li> <li>➤ <i>Principles of Management</i></li> </ul>		16	14 14
<b>1<sup>ST</sup> WEEK</b>	<i>Nature and Significance of Management.</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Nature and Significance of Management.</i>		

<b>3<sup>RD</sup> WEEK</b>	<i>Principles of Management.</i>
<b>4<sup>TH</sup> WEEK</b>	<i>Principles of Management.</i>
<b>5<sup>TH</sup> WEEK</b>	<i>Principles of Management, Project Introduction.</i>

**DECEMBER (Class XII)**

<b>TOPICS / CHAPTERS</b>	<b>WEIGHT-AGE</b>	<b>TEACHING PERIODS</b>
<i>Business Environment.</i>	<i>16</i>	<i>12</i>
<b>1<sup>ST</sup> WEEK</b>	<i>Business Environment.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Business Environment, Project Discussion.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Business Environment.</i>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Winter Break</i></b>	

# SUBJECT: ECONOMICS (030)

## APRIL

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Unit 01: Statistics for Economics</i>	13	56
<b>2<sup>ND</sup> WEEK</b>	<i>Introduction: What is Economics? Meaning, scope, functions and importance of statistics in Economics</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Collection of data</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Organisation of data</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Presentation of Data</i>	

## MAY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Introductory Microeconomics: Unit 01: Introduction</i>	17	60
<b>1<sup>ST</sup> WEEK</b>	<i>Meaning of microeconomics and macroeconomics; positive and normative economics: What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of production possibility frontier and opportunity cost.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>UNIT 02: Consumer's Equilibrium and Demand: meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium.</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve;</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method.</i>	

## JUNE

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>UNIT 02: Measures of Central Tendency</i>	21	42
<b>1<sup>ST</sup> WEEK</b>	<i>Mean (simple and weighted), Median and Mode</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>UNIT 03: Measures of Dispersion - absolute dispersion (range, quartile deviation, mean deviation and standard deviation); relative dispersion (co-efficient of range, co-efficient of quartile-deviation,</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Project Work For 20 Marks</i>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Mid-Term Examination</i></b>	
<b>5<sup>TH</sup> WEEK</b>	<b><i>Mid-Term Examination</i></b>	

## JULY

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
		03	14
1 <sup>ST</sup> WEEK	<i>Mid-Term Examination</i>		
2 <sup>ND</sup> WEEK	<i>Mid-Term Examination</i>		
3 <sup>RD</sup> WEEK	<i>Summer Break</i>		
4 <sup>TH</sup> WEEK	<i>Summer Break/ Cross Checking</i>		
5 <sup>TH</sup> WEEK	<i>Co-efficient of mean deviation, co-efficient of variation); Lorenz Curve: Meaning, construction and its application:</i>		

## AUGUST

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>Unit 03: Producer Behaviour &amp; Supply:</i>		13	60
1 <sup>ST</sup> WEEK	<i>Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product.</i>		
2 <sup>ND</sup> WEEK	<i>Returns to a Factor: Cost: Short run costs - total cost, total fixed cost, total variable cost; Average cost; Average fixed cost, average variable cost and marginal cost-meaning and their relationships.</i>		
3 <sup>RD</sup> WEEK	<i>Revenue - total, average and marginal revenue - meaning and their relationship. Producer's equilibrium-meaning and its conditions in terms of marginal revenue marginal cost.</i>		
4 <sup>TH</sup> WEEK	<i>Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve,</i>		
5 <sup>TH</sup> WEEK	<i>Price elasticity of supply; measurement of price elasticity of supply - percentage-change method.</i>		

## SEPTEMBER

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>Unit 04: Forms of Market and Price Determination under Perfect Competition with simple applications.</i>		13	60
1 <sup>ST</sup> WEEK	<i>STATISTICS FOR ECONOMICS: Correlation – Meaning and properties, scatter diagram; Measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation.</i>		
2 <sup>ND</sup> WEEK	<i>Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply.</i>		
3 <sup>RD</sup> WEEK	<i>Other Market Forms - monopoly, monopolistic competition, oligopoly - their meaning and features.</i>		
4 <sup>TH</sup> WEEK	<i>Simple Applications of Demand and Supply: Price ceiling, price floor.</i>		
5 <sup>TH</sup> WEEK	<i>STATISTICS FOR ECONOMICS: Introduction to Index Numbers - meaning, types - wholesale price index, consumer price index and index of industrial production,</i>		

**OCTOBER**

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>Index Numbers Continue.</i>		20	60
<b>1<sup>ST</sup> WEEK</b>	<i>Uses of index numbers; Inflation and index numbers.</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Conditions of consumer's equilibrium. Cardinal and ordinal approaches.</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Producer's equilibrium-meaning and its conditions in terms of marginal revenue marginal cost.</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Project Work For 20 Marks:</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Project Work For 20 Marks:</i>		

**NOVEMBER (Class XII)**

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>Macroeconomics: Unit 01: National Income &amp; Related Aggregates</i>		10	60
<b>1<sup>ST</sup> WEEK</b>	<i>What is Macroeconomics? Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation.</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Circular flow of income (two sector model); Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method.</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross and Net Domestic Product (GDP and NDP) - at market price, at factor cost;</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Real and Nominal GDP.</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>GDP and Welfare.</i>		

**DECEMBER (Class XII)**

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>Development Experience (1947-90) &amp; Economic Reforms since 1991:</i>		12	50
<b>1<sup>ST</sup> WEEK</b>	<i>Brief introduction of the state of Indian economy on the eve of independence.</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Common goals of Five-Year Plans.</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy, etc.), industry (industrial licensing, etc.) and foreign trade.</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Winter Break</i>		

# SUBJECT: COMPUTER SCIENCE (083)

## APRIL

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>DATA MANAGEMENT-I</i>		15	30
2 <sup>ND</sup> WEEK	<i>Database Purpose of Database DBMS Relational Database Model Database Keys (Primary key, Foreign key, Candidate key, Alternate key) Introduction to MySQL DBMS MySQL Data Types DDL vs DML Statements.</i>		
3 <sup>RD</sup> WEEK	<i>Create command Show databases command Show tables command Desc Command</i>		
4 <sup>TH</sup> WEEK	<i>Insert command Select command Selecting all rows</i>		
5 <sup>TH</sup> WEEK	<i>Selecting specific columns. Eliminating redundant records – DISTINCT Keyword</i>		

## MAY

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>DATA MANAGEMENT-I Contd.. COMPUTER ORGANIZATION</i>		10	20
1 <sup>ST</sup> WEEK	<i>Order by clause and Group by Clause Relational, Logical and Arithmetic Operators Update and Delete Command Alter and Drop Command</i>		
2 <sup>ND</sup> WEEK	<i>SQL Aggregate functions (Sum(), Min(), Max(), Count(), Avg()) Introduction to NoSQL databases.</i>		
3 <sup>RD</sup> WEEK	<i>Introduction to Computers Basic Computer Organization Components of a Computer (Hardware and Software) Types of software</i>		
4 <sup>TH</sup> WEEK	<i>Operating System Compiler and Interpreter</i>		
5 <sup>TH</sup> WEEK	<i>Memory and types of memory Memory Units</i>		

## JUNE

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>COMPUTER ORGANIZATION Contd.</i>			
<b>1<sup>ST</sup> WEEK</b>	<i>Logic Gates Circuit design</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Introduction to Number Systems. Conversion of one number system into another.</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Concept of Algorithms and Flowcharts Flowchart Symbols Drawing Flowcharts</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Mid-Term Examination</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Mid-Term Examination</i>		

## JULY

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>COMPUTER ORGANIZATION CONTD.</i>			
<b>1<sup>ST</sup>WEEK</b>	<i>Mid-Term Examination</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Mid-Term Examination</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Summer Break</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Summer Break/ Cross Checking</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Cloud Computing Parallel Computing Strings – ASCII, UNICODE, ISCH, UTF8, UTF32</i>		

## AUGUST

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
<i>PROGRAMMING AND COMPUTATIONAL THINKING-1</i>		35	60
<b>1<sup>st</sup> WEEK</b>	<i>Introduction to programming Basics of python programming Features of python</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Simple programs in python Python tokens Python comments Input() and Print() statements Writing programs using these statements.</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Introduction to conditional statements If, if-else and if-elif-else Programs on conditional statements</i>		

<b>4<sup>TH</sup> WEEK</b>	<i>Introduction to loops</i> <i>While loop</i> <i>For loop</i> <i>Range keyword</i>
<b>5<sup>TH</sup> WEEK</b>	<i>Programs on loops</i>

## SEPTEMBER

<b>TOPICS / CHAPTERS</b>		<b>WEIGHT-AGE</b>	<b>TEACHING PERIODS</b>
<i>PROGRAMMING AND COMPUTATIONAL THINKING-1 contd.</i>			
<b>1<sup>ST</sup> WEEK</b>	<i>Introduction to errors</i> <i>Types of errors</i> <i>Debugging</i> <i>Pdb break points</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Introduction to lists</i> <i>Programs on lists</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Introduction to tuple</i> <i>Introduction to dictionary</i> <i>Programs on tuples and dictionary</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Bubble sort</i> <i>Selection sort</i> <i>Insertion sort</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Strings and String functions.</i>		

## OCTOBER

<b>TOPICS / CHAPTERS</b>		<b>WEIGHT-AGE</b>	<b>TEACHING PERIODS</b>
<i>PROGRAMMING AND COMPUTATIONAL THINKING-1 contd.</i> <i>SOCIETY, LAW AND ETHICS-I</i>		<i>10</i>	<i>5</i>
<b>1<sup>ST</sup> WEEK</b>	<i>Python Modules</i> <i>Math module</i> <i>Random module</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Statistics module</i> <i>Working with turtle module</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Cyber Safety</i> <i>Threats to the security of the systems.</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Social networking</i> <i>Usage rules</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Safely Communicating Data</i>		

## NOVEMBER (Class XII)

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>DATA MANAGEMENT - 2</i>	<i>15</i>	<i>30</i>
<b>1<sup>ST</sup> WEEK</b>	<i>Revision of SQL queries</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Where, having, group by, and order by clause Interfacing python with MySQL</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Interfacing python with MySQL</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Interfacing python with MySQL</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Interfacing python with MySQL</i>	

## DECEMBER (Class XII)

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<b>1<sup>ST</sup> WEEK</b>	<i>Introduction to Django Framework</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Django Architecture How to install Django and its virtual environment Django GET and POST methods Simple web applications using django</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Writing on to flat file. Writing on to CSV file.</i>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Winter Break</i></b>	

## SUBJECT: MATHEMATICS (041)

### APRIL

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Chapter 1: Sets</i> <i>Chapter 2: Relations &amp; Functions</i>	10	24
<b>2<sup>ND</sup> WEEK</b>	<i>Sets and their representations. Emptyset. Finite and Infinite sets. Equal sets. Subsets. Subsets of a Set of real numbers especially intervals (with notations). Power set. Universal set. Venn Diagrams.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement.</i> <i>Ordered pair. Cartesian product of sets. Number of elements in the Cartesian product of two finitesets. Cartesian product of the set of real's with itself (upto <math>R \times R \times R</math>).</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation.</i> <i>Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, Difference, product and quotients of functions.</i> <i>Lab activity</i>	

### MAY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Chapter 3: Trigonometric Functions</i>	15	23
<b>1<sup>ST</sup> WEEK</b>	<i>Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity <math>\sin^2x + \cos^2x = 1</math>, for all <math>x</math>. Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing <math>\sin(x \pm y)</math> and <math>\cos(x \pm y)</math> in terms of <math>\sin x</math>, <math>\sin y</math>, <math>\cos x</math> &amp; <math>\cos y</math> and their simple applications.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Deducing identities like the following: Identities related to <math>\sin 2x</math>, <math>\cos 2x</math>, <math>\tan 2x</math>, <math>\sin 3x</math>, <math>\cos 3x</math> and <math>\tan 3x</math>. General solution of trigonometric Equations.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Trigonometric functions of sum and difference of two angles.</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Introduction about principle of mathematical induction. Motivation</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Simple Application.</i>	

### JUNE

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Chapter 4: Complex numbers</i> <i>Chapter 5: Quadratic equations.</i>	20	30

<b>1<sup>ST</sup> WEEK</b>	<i>Need for complex numbers, <b>especiallyiota</b>, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Arg and plane and polar representation of complex numbers.</i>
<b>2<sup>ND</sup> WEEK</b>	<i>Statement of Fundamental Theorem of Algebra, solution of quadratic equations (with real coefficients) in the complex number system. Square root of a complex number.</i>
<b>3<sup>RD</sup> WEEK</b>	<i>Revision</i>
<b>4<sup>TH</sup> WEEK</b>	<b>Mid-Term Examination</b>
<b>5<sup>TH</sup> WEEK</b>	<b>Mid-Term Examination</b>

## JULY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Chapter 6: Linear Inequations</i>		
<b>1<sup>ST</sup> WEEK</b>	<b>Mid-Term Examination</b>	
<b>2<sup>ND</sup> WEEK</b>	<b>Mid-Term Examination</b>	
<b>3<sup>RD</sup> WEEK</b>	<b>Summer Break</b>	
<b>4<sup>TH</sup> WEEK</b>	<b>Summer Break/ Cross Checking</b>	
<b>5<sup>TH</sup> WEEK</b>	<i>Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line. Graphical solution of linear inequalities in two variables. Graphical method of finding a solution of system of linear inequalities in two variables. Lab activity</i>	

## AUGUST

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Chapter 7: Permutations &amp; Combinations (10) Periods. Chapter 8: Binomial Theorem (10) periods</i>	10	10
<b>1<sup>ST</sup> WEEK</b>	<i>Fundamental principle of counting. Factorial. (n!) Permutations and combination.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Derivation of Formulas and its applications.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>History, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle.</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>General and middle term in binomial expansion.</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Simple applications.</i>	

## SEPTEMBER

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<i>Chapter 9: Straight Lines (10) Periods Chapter 10: Conic Sections (20) Periods</i>	10	20
<b>1<sup>ST</sup> WEEK</b>	<i>Brief recall of two-dimensional geometry from earlier classes. Shifting of origin. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point –slope form.</i>	

<b>2<sup>ND</sup> WEEK</b>	<i>Slope-intercept form, two-point form, intercept form and normal form. General equation of a line. Equation of family of lines passing through the point of intersection of two lines. Distance of a point from a line.</i>
<b>3<sup>RD</sup> WEEK</b>	<i>Standard form of the equation of a circle. General form of the equation of a circle, its radius and the center. Equation of the circle in the parametric form. Equation of a circle when the end points of a diameter are given.</i>
<b>4<sup>TH</sup> WEEK</b>	<i>Sections of a cone. Equations of conic sections in standard form. Applications of Parabola, Ellipse and Hyperbola.</i>
<b>5<sup>TH</sup> WEEK</b>	<i>Revision.</i>

## OCTOBER

<b>TOPICS / CHAPTERS</b>	<b>WEIGHT -AGE</b>	<b>TEACHING PERIODS</b>
<i>Chapter 11: Introduction to Three-dimensional Geometry (10) Periods Chapter 12: Limits &amp; Derivatives Chapter 13: Statistics</i>	15	24
<b>1<sup>ST</sup> WEEK</b>	<i>Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points and section formula. Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Limits of rational functions trigonometric, Exponential and logarithmic functions. Definition of derivative relate it to slope of tangent of the Curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Random experiments; outcomes, sample spaces (set representation). Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability.</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Connections with other theories of earlier classes. Probability of an event, Probability of 'not', 'and' and 'or' events.</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Statistics. (Soft copy of assignment, along with video lesson, will be provided to students.)</i>	

## NOVEMBER (Class XII)

<b>TOPICS / CHAPTERS</b>	<b>WEIGHT -AGE</b>	<b>TEACHING PERIODS</b>
<i>Chapter 1: Matrices &amp; Determinants</i>		
<b>1<sup>ST</sup> WEEK</b>	<i>Determinants Determinant of square matrix up to 3x3 Properties of determinants Exercise related to determinants</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Introduction of matrices Types of matrices Operations of matrices</i>	

<b>3<sup>RD</sup> WEEK</b>	<i>Concept of row and column operation Invertible matrices and proof of uniqueness of inverse</i>
<b>4<sup>TH</sup> WEEK</b>	<i>Determinant of square matrix up to 3x3 Properties of determinants</i>
<b>5<sup>TH</sup> WEEK</b>	<i>Exercise related to determinants</i>

### **DECEMBER (Class XII)**

<b>TOPICS / CHAPTERS</b>	<b>WEIGHT -AGE</b>	<b>TEACHING PERIODS</b>
<b><i>Determinants: (continued)</i></b> <i>Application of determinants in finding area of triangle Adjoint and inverse of square matrix Consistency &amp; inconsistency of system of linear equations Solving system of linear equations by using inverse of matrix</i>		
<b>1<sup>ST</sup> WEEK</b>	<i>(i) Application of determinants in finding area of triangle (ii) Adjoint and inverse of square matrix</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Consistency and inconsistency of system of linear equations</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Solving system of linear equations by using inverse of matrix</i>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Winter Break</i></b>	

## SUBJECT: PAINTING (049)

### APRIL

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
	70/30	08
<b>2<sup>ND</sup> WEEK</b>	<i>Theory: Introduction and Fundamentals of ART</i> <i>Practicals: Art materials Introduction</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Theory: Introduction and Fundamentals of ART</i> <i>Practicals: Art materials Introduction</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Theory: Art and Culture.</i> <i>Practicals: Introduction to "Object study"</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Theory: Origin and development of different forms of fine arts in India.</i> <i>Practicals: Object study.</i>	

### MAY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
	70/30	08
<b>1<sup>ST</sup> WEEK</b>	<i>Theory: Prehistoric Rock Paintings.</i> <i>Practicals: Object study.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Theory: Study of plates (prehistoric rock paintings)</i> <i>Practicals: Introduction to Figurative Sketching.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Theory: Art of Indus valley (Introduction)</i> <i>Practicals: Figurative quick Sketching.</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Theory: Art of Indus valley (Study of the artifacts of this period)</i> <i>Practicals: Figurative quick Sketching.</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Theory: Art of Indus valley (Study of art works)</i> <i>Practicals: Figurative quick Sketching.</i>	

### JUNE

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
	70/30	08
<b>1<sup>ST</sup> WEEK</b>	<i>Theory: Buddhist, Jain and Hindu art (Introduction)</i> <i>Practicals: Colour and design compositions.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Theory: The art during Mauryan period (Introduction)</i> <i>Practicals: Colour and design compositions</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Theory: The art during Mauryan period (study of sculptures)</i> <i>Practicals: Colour and design compositions</i>	
<b>4<sup>TH</sup> WEEK</b>	<b>Mid-Term Examination</b>	
<b>5<sup>TH</sup> WEEK</b>	<b>Mid-Term Examination</b>	

### JULY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
	70/30	08

<b>1<sup>ST</sup> WEEK</b>	<i>Mid-Term Examination</i>
<b>2<sup>ND</sup> WEEK</b>	<i>Mid-Term Examination</i>
<b>3<sup>RD</sup> WEEK</b>	<i>Summer Break</i>
<b>4<sup>TH</sup> WEEK</b>	<i>Summer Break/ Cross Checking</i>
<b>5<sup>TH</sup> WEEK</b>	

## AUGUST

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
		70/30	08
<b>1<sup>ST</sup> WEEK</b>	<i>Theory: Artistic aspect of Indian Temple and Sculptures Practicals: Object study in Colour</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Theory: Artistic aspect of Indian Temple and Sculptures Practicals: Object study in Colour</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Theory: Artistic aspect of Indian Temple and Sculptures Practicals: Object study in Colour</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Theory: Indian Bronze Sculptures Practicals: Object study in Colour</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Theory: Indian Bronze Sculptures Practicals: Object study in Colour</i>		

## SEPTEMBER

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
		70/30	08
<b>1<sup>ST</sup> WEEK</b>	<i>Theory: Indian Bronze Sculptures Practicals: sketching</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Theory: Some artistic aspects of Indo Islamic Architecture. Practicals: Sketching</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Theory: Some artistic aspects of Indo Islamic Architecture. Practicals: Sketching</i>		
<b>4<sup>TH</sup> WEEK</b>	<i>Theory: Some artistic aspects of Indo Islamic Architecture. Practicals: Sketching</i>		
<b>5<sup>TH</sup> WEEK</b>	<i>Theory: Some artistic aspects of Indo Islamic Architecture. Practicals: Sketching</i>		

## OCTOBER

TOPICS / CHAPTERS		WEIGHT-AGE	TEACHING PERIODS
		70/30	08
<b>1<sup>ST</sup> WEEK</b>	<i>Theory: The Art of Ajants Caves Practicals: Object study in Colour</i>		
<b>2<sup>ND</sup> WEEK</b>	<i>Theory: The Art of Ajants Caves Practicals: Object study in Colour</i>		
<b>3<sup>RD</sup> WEEK</b>	<i>Theory: The Art of Ajants Caves Practicals: Object study in Colour</i>		

<b>4<sup>TH</sup> WEEK</b>	<i>Theory: The Art of Ajants Caves</i> <i>Practicals: Object study in Colour</i>
<b>5<sup>TH</sup> WEEK</b>	<i>Theory: The Art of Ajants Caves</i> <i>Practicals: Object study in Colour</i>

### **NOVEMBER (Class XII)**

<b>TOPICS / CHAPTERS</b>	<b>WEIGHT-AGE</b>	<b>TEACHING PERIODS</b>
	<i>70/30</i>	<i>08</i>
<b>1<sup>ST</sup> WEEK</b>	<i>Theory: Fundamentals of Art</i> <i>Practicals: Nature and Object Study</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Theory: Fundamentals of Art</i> <i>Practicals: Nature and Object Study</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Theory: Fundamentals of Art</i> <i>Practicals: Nature and Object Study</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Theory: Fundamentals of Art</i> <i>Practicals: Nature and Object Study</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Theory: Fundamentals of Art</i> <i>Practicals: Nature and Object Study</i>	

### **DECEMBER (Class XII)**

<b>TOPICS / CHAPTERS</b>	<b>WEIGHT-AGE</b>	<b>TEACHING PERIODS</b>
	<i>70/30</i>	<i>08</i>
<b>1<sup>ST</sup> WEEK</b>	<i>Theory: Introduction of Indian Miniatures.</i> <i>Practicals: Sketching</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Theory: Rajisthani School of Art</i> <i>Practicals: Sketching</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Theory: Rajisthani School of Art</i> <i>Practicals: Sketching</i>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Winter Break</i></b>	

# SUBJECT: PHYSICAL EDUCATION (048)

## APRIL

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<b>2<sup>ND</sup> WEEK</b>	<i>Meaning and definition of Physical Education</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Aims and objectives of Physical Education</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Career objectives in Physical Education</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Competitions in various sports at national and international level/ khelo India khelo</i>	

## MAY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<b>1<sup>ST</sup> WEEK</b>	<i>Olympic Movements :Paralympics and special Olympics</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Olympic symbols, ideals, objectives and values of Olympics.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>International Olympic committee</i>	
<b>4<sup>TH</sup> WEEK</b>	<i>Indian Olympic association</i>	
<b>5<sup>TH</sup> WEEK</b>	<i>Physical fitness and wellness: introduction, aims and objectives,</i>	

## JUNE

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<b>1<sup>ST</sup> WEEK</b>	<i>Meaning and importance of physical fitness and wellness.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Components of Physical Fitness, Wellness and wellness/ components of health related fitness,</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Yoga: meaning and importance of yoga/elements of yoga introduction to Asanas</i>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Mid-Term Examination</i></b>	
<b>5<sup>TH</sup> WEEK</b>	<b><i>Mid-Term Examination</i></b>	

## JULY

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
<b>1<sup>ST</sup> WEEK</b>	<b><i>Mid-Term Examination</i></b>	
<b>2<sup>ND</sup> WEEK</b>	<b><i>Mid-Term Examination</i></b>	
<b>3<sup>RD</sup> WEEK</b>	<b><i>Summer Break</i></b>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Summer Break/ Cross Checking</i></b>	
<b>5<sup>TH</sup> WEEK</b>	<i>Relaxation techniques for improving concentration</i>	

## AUGUST

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
1 <sup>ST</sup> WEEK	<i>Physical Activity and leadership training: leadership qualities and role of leader/ Creating leaders through physical education.</i>	
2 <sup>ND</sup> WEEK	<i>Meaning, objectives &amp; types of adventure sports/safety measures to prevent sports injuries..</i>	
3 <sup>RD</sup> WEEK	<i>Test Measurement and evaluation: definition &amp; importance of test measurement and evaluation in sports.</i>	
4 <sup>TH</sup> WEEK	<i>Test Measurement and evaluation calculation of BMI, somato types, measurement of health related fitness.</i>	
5 <sup>TH</sup> WEEK	<i>Fundamentals of Anatomy and physiology definition and importance</i>	

## SEPTEMBER

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
1 <sup>ST</sup> WEEK	<i>Functions of Skelton system classification of bones and joints, types of joints.</i>	
2 <sup>ND</sup> WEEK	<i>Properties functions and stricture of respiratory system.</i>	
3 <sup>RD</sup> WEEK	Properties of circulatory system	
4 <sup>TH</sup> WEEK	<i>Equilibrium- dynamic and static</i>	
5 <sup>TH</sup> WEEK	<i>Centre of gravity and its application in sports.</i>	

## OCTOBER

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
1 <sup>ST</sup> WEEK	<i>Physiology and Sports :definition and importance of physiology in phy.edu&amp; sports/ differentiate between growth and development</i>	
2 <sup>ND</sup> WEEK	<i>Developmental characters at different stages of development/adolescent problems&amp; their management.</i>	
3 <sup>RD</sup> WEEK	<i>Doping :concept and classification/prohibited substances and methods</i>	
4 <sup>TH</sup> WEEK	<i>Athletics responsibilities/side effects of prohibited substances.</i>	
5 <sup>TH</sup> WEEK	<i>Doping in sports/doping control procedures.</i>	

## NOVEMBER (Class 12<sup>th</sup>)

TOPICS / CHAPTERS	WEIGHT-AGE	TEACHING PERIODS
1 <sup>ST</sup> WEEK	<i>Physical Education and Sports for CWSN - 1</i>	
2 <sup>ND</sup> WEEK	<i>Physical Education and Sports for CWSN – 2</i>	
3 <sup>RD</sup> WEEK	<i>Planning in Sports: meaning and objectives of planning, Various comities and their responsibilities</i>	

<b>4<sup>TH</sup> WEEK</b>	<i>Procedure of drawing the fixtures, Tournaments</i>
<b>5<sup>TH</sup> WEEK</b>	<i>Intra and extra murals/ specific sports programs.</i>

**DECEMBER (Class 12<sup>th</sup>)**

<b>TOPICS / CHAPTERS</b>	<b>WEIGHT-AGE</b>	<b>TEACHING PERIODS</b>
<b>1<sup>ST</sup> WEEK</b>	<i>Sports and nutrition: balanced diet and nutrition.</i>	
<b>2<sup>ND</sup> WEEK</b>	<i>Nutritive and non nutritive components of diet.</i>	
<b>3<sup>RD</sup> WEEK</b>	<i>Eating for diet control.</i>	
<b>4<sup>TH</sup> WEEK</b>	<b><i>Winter Break</i></b>	