

DELHI PUBLIC SCHOOL, GANDHINAGAR
SYLLABUS 2022 – 23
CLASS XII – COMMERCE

Subject: English

Month	Main Course Book (FLAMINGO)	Supplementary Reader (VISTAS)	Advanced Writing Skills / Activity
MARCH & APRIL	1. The Last Lesson (Prose) 2. My Mother at Sixty Six (Poem)	1.The Third Level	1. Notice Writing 2.Letter to Editor
MAY	1.Keeping Quiet (Poem)	-----	
JUNE	1 Lost Spring (Prose).	1.The Tiger King	1.Article Writing
JULY	1.Deep Water	1.The Enemy 2. Journey to the End of the Earth	1.Job Application
Syllabus for Periodic Test I- Flamingo : The Last Lesson, Lost Spring, Deep Water, Keeping Quiet(P), My Mother at Sixty- Six (P) Vistas: The Third Level, The Tiger King Writing Skills: 1. Notice Writing, Letter to Editor, Article Writing			
AUGUST	1.Rattrap 2. A Thing of Beauty (Poem).	1. Journey to the End of the Earth (Contd.)	1. Invitations ASL
SEPTEMBER	1.Indigo 2.Poets and Pancakes		ASL
Syllabus for Half-Yearly- Flamingo: The Last Lesson, Lost Spring, Deep Water, Rattrap, Keeping Quiet(P), My Mother at 66 (P), A Thing of Beauty (P) Vistas: The Third Level, The Tiger King, The Enemy, Journey to the End of the Earth WRITING SKILLS- Notice Writing, Letter to Editor, Article Writing, Invitation PRACTICAL – ASL			
OCTOBER	1. The Interview 2. Aunt Jennifer’s Tigers (Poem)		1.Replies to Invitation Project Discussion
NOVEMBER	1.A Roadside Stand 2.Going Places	1. On the Face of it 2.Memories of Childhood	Report Writing
DECEMBER	REVISION		
Pre Board I &II : Complete Syllabus Viva			

Subject: Accountancy

Month	Lessons/ Chapters	Activities/ Practical
MARCH	1. Fundamentals of Partnership Firms	
APRIL	1. Fundamentals of Partnership Firms 2. Goodwill and Change in Profit Sharing Ratio	
MAY	2. Goodwill and Change in Profit Sharing Ratio	
JUNE	3. Admission of a Partner	
JULY	4. Retirement of a Partner 5. Death of a Partner	
Syllabus for Periodic Test-1: Chap: 1,2,3		
AUGUST	5. Death of a Partner 6. Dissolution of Partnership Firm 7. Share Capital Transactions	
SEPTEMBER	7. Share Capital Transactions	
Syllabus for HYE : - Chap: 1 to 7		
OCTOBER	8. Issue of Debentures 9. Financial Statements of Companies	
NOVEMBER	10. Financial Statement Analysis 11. Ratio Analysis 12. Cash Flow Statement	Submission of Project File
DECEMBER	12. Cash Flow Statement	
Syllabus for Preboard Examination : - Complete Syllabus		

Subject: Business Studies

Month	Lessons/ Chapters	Activities/ Practical
APRIL	1. Nature and Significance of Management 2. Principles of Management	
MAY	2. Principles of Management	Project Henry Fayol's Principles of Management. (Discussion on other Project topics)
JUNE	3. Business Environment 4. Planning	Case Studies to understand the various types of plans in an organisation.

JULY	5. Organising 6. Staffing	
Syllabus for Periodic Test-1 : - Ch 1,2,3,4		
AUGUST	7. Directing 8. Controlling	AIL Activity
SEPTEMBER	9. Financial Management	Visit to NSE Ahmedabad
Syllabus for Half Yearly Examination : Chapter: 1,2,3,4,5,6 and 7		
OCTOBER	10. Financial Markets 11. Marketing	Samples of various products to understand labelling and packaging
NOVEMBER	12. Consumer Protection	
Syllabus for Pre-Board Examination : - Complete Syllabus		

Subject: Economics

Month	Lessons/ Chapters	Activities/ Practical
MARCH	Macro: Ch 2: Money and Banking	
APRIL	Ch 2: Money and Banking (Continued) Indian Economy: Ch-1: Indian Economy on the Eve of Independence. Ch-2: Indian Economy (1950 – 1990)	
MAY	Ch-2: Indian Economy (1950 – 1990) (Continued)	
JUNE	Macro: Ch-4: Government Budget and the economy.	Discussion on the budget in our Economy.
Syllabus for Periodic Test-1 : Macro: Ch 2: Money and Banking & Ch 4: Government Budget and the economy. Indian Economy: Ch- 1 and 2		
JULY	Macro: Ch 3 : Determination of Income and Employment. Indian Economy: Ch-3: Liberalisation, Privatisation and Globalisation	Discussion of the Project.
AUGUST	Indian Economy: Ch-4: Human Capital Formation Ch-5: Rural Development Ch-6: Employment: Growth and Informalisation and other Issues.	
SEPTEMBER	Macro: Ch:1 National Income and its determinants.	

**Syllabus for Half Yearly Examination: -
Macro : Money & Banking, Determination of Income and Employment & Government
Budget and the economy.**

Indian Economy: Ch-1,2, 3,4,5 & 6

OCTOBER	Macro: Ch:1 National Income and its determinants.(Continued) Indian Economy: Ch-7 Environment and Sustainable Development	Submission of the Project.
NOVEMBER	Macro: Unit 5: Balance of Payment Indian Economy: Ch-8 Comparative Development Experiences of India and its Neighbours.	
DECEMBER	REVISION	

Syllabus for Pre Board Examination : All chapters

Subject: Applied Mathematics

Month	Chapters
MARCH & APRIL	Ch3. Matrices Ch4. Determinants Ch2. Numerical Inequalities
MAY	Ch2. Numerical Inequalities (Contd...)
JUNE	Ch1. Numbers, Quantifications and Numerical Applications
JULY	Ch5. Differentiation Ch6. Application of Derivatives
	Syllabus for P.T. 1: Chapters: 1, 2, 3 and 4
AUGUST	Ch6. Application of Derivatives (Contd...) Ch7. Integrals
SEPTEMBER	Ch8. Differential Equations
	Syllabus for H.Y.E: Chapters: 1, 2, 3, 4, 5 and 6
OCTOBER	Ch9. Probability Distributions
NOVEMBER	Ch10. Inferential Statistics Ch11. Time based Data Ch12. Perpetuity, Sinking Funds and EMI Ch14. Returns, Growth and Depreciation
DECEMBER	Ch15. Linear Programming
	Syllabus for Pre Board Examination : All chapters
	Practical Work: Use of Excel & Project from Suggested list

Subject: Physical Education

Month	Lessons/ Chapters	Activities/ Practical
MARCH & APRIL	Unit 1: Management of Sports Events. Unit 2: Children & Women in Sports (continue)	** Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)* Practice
MAY	Unit 2: Children & Women in Sports. Continue	** Yoga Practice **Skill Practice
JUNE	Unit 3: Yoga as Preventive measure for Lifestyle Disease.	** Record File – Ch.1 and Ch.2
JULY	Unit 4: Physical Education & Sports for CWSN	
Syllabus for Periodic Test-1 : Unit: 1 ,Unit: 2, Unit:3 & Unit: 4		
AUGUST	Unit5: Sports Nutrition Unit-6 Test & Measurement	Record File – Ch.3
Half Yearly Examination Syllabus: Unit: 1 to Unit:6		
SEPTEMBER	Unit:7 Physiology & Injuries in Sports	** Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)* Practice
OCTOBER	Unit:8 Biomechanics & Sports	**Skill Practice
NOVEMBER	Unit:9 Psychology in Sports. Unit:10 Training in Sports.	**Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)* Practice
Syllabus for Pre-board Examination : All Units.		

Subject: Informatics Practices

Month	Chapters	Activities /Practical
MARCH & APRIL	1. Python Pandas-I	<ol style="list-style-type: none"> Create a Pandas series of values containing Month names and number of days. Write a menu driven Python program to display series, display series in reverse order and modify the values of the series object Create a Panda's series from a list of values containing sales of 5 items. Create a series from this list with index values as PEN, PENCIL, COPY, ERASER, SCALE, and BOOK. Write a menu driven Python program to Name the series as STATIONARY, Replace the value of index 'PENCIL' by 500, Display the last five elements of the series, Display sales of PEN and BOOK, Display the first three elements of the series. Consider an array with values: 10, 20,30,40,50. Create a series from this array containing elements as twice the values present in the array and default index values.

		<p>Write a menu driven Python program to set the values of all elements to 100, create a new series with index values from 'A' to 'E', add 50 to all elements of the series and display it, display 1st and 4th elements of the series, display 1st to 3rd elements of the series, set the value of 3rd element to 200.</p> <p>4. Create a series from an array/list with values 23, 45, 67,12,34,98 with default index values. Write a menu driven Python program to display the series with values True at places where series elements have value greater than 50 and False at places where series elements have value less than or equal to 50, display only those elements of the series which have values less than or equal to 75, display only those elements of the series which have values greater than 30 but less than or equal to 80, display only those elements of the series which do not have values equal to 45, display only those elements of the series which have values either greater than 20 or value less than 70.</p> <p>5. Consider the following two series: ser1=pd.Series([12,25,47,39,56], index=['A','B','C','D','E']) ser2=pd.Series([28,42,66,73,89], index=['A','K','D','M','E']) Write a menu driven Python program to all the arithmetic operations and fill the missing index value with 5. Also give output that will be obtained after performing the desired operation.</p> <p>6. Create a Data Frame INVENTORY of 5 items where each row contains the item category, item quantity, and price. Take default row and column labels. Write Python statements to change the row labels to BREAD, BUTTER, MILK, CHOCOLATE, ICE CREAM, Change the column labels to CATEGORY, QUANTITY, PRICE, add a new column DISCOUNT with values 10,5,12,5,2, Add a new row for the item with label as CANDY and values equal to C, 40, 20, 2, delete the first row, delete the third column.</p>
MAY	1. Python Pandas-I(Contd..)	<p>7. Create a dataframe GARMENTS stored as dictionary of series Write Python statements to display names of those garments that are available in 'XL' size, display codes and names of all garments, display garment names, size, codes and prices of those garments that have price in the range 1000.00 to 1500.00, display names, size, codes and prices of garments with GCODE as 112 and 116, display names, size, codes and prices of garments whose colour is not Red.</p>
JUNE	2. Python Pandas-II	<p>8. Create a dataframe Hotel stored as a list of dictionaries Write Python statements to add a new column bonus which is 50% of the salary, display the sum of salary of all employees, display the maximum and minimum salary of the employee, display the dataframe in descending order of salary, display the mean of salary of all employees, display the first five records of the above dataframe, increase the salary of all employees by 10%, increase the salary of employee with emnpid=E103 by 10,000.</p> <p>9. Create a dataframe WORKSHOP stored as a list of dictionaries. Write Python statements to display rows with workshopid as 551 and 553, display the column</p>

		Title, display column Title and NumSpeakers, display Title and NumberInvites for WorkshopId- 552 and 553, display the rows with even indexes i.e. 0,2,4,6
JULY	2. Python Pandas-II (Contd..) 3. Plotting with PyPlot	10. Write a Python code to draw a line plot for the salary of employees of various Job Titles. Add appropriate title, legends and x and y labels. 11. Write a Python code to create a dataframe containing total fare of 10 airlines. Draw a line plot for the same and add appropriate title, legends and x and y labels. 12. The sales corresponding to various JOBID is stored in a dataframe. Draw a bar graph to represent the data. 13. Create a dataframe which contains the pollution levels in six cities of India. Also, draw a bar graph and add appropriate title, legends and x and y labels. 14. Write a Python code to draw a histogram of the yearly sales of cars for last 10 years. (Take appropriate bins). Add appropriate title, legends and x and y labels. 15. Create a dataframe containing data related to salary of 10 employees in an organization. Draw a histogram taking appropriate bins. Add appropriate title, legends and x and y labels
Syllabus for PT1: Ch 1, 2, 3		
AUGUST	4. Importing/exporting Data between CSV Files/MySQL and Pandas 5. MySQL Revision Tour 6. MySQL Functions	16. Create a CSV file containing batting scores of five batsmen in last four years. Draw a line plot using the data stored in the CSV file. 17. Create a CSV file containing sale of five items in last four years. Draw a bar plot using the data stored in the CSV file. 18. Create a CSV file containing total marks of 10 students. Draw a Histogram using the data stored in the CSV file. 19. Create a dataframe SalesPerson stored as dictionary of series. Create a file SALES.CSV containing tab as a delimiter. 20. Write a Python script to read a TEACHER.CSV file containing TEACHERID, DEPARTMENT AND PERIODS into a dataframe. Display TEACHERID and PERIODS of teacher having PERIODS more than 30.
SEPTEMBER	Revision	
Syllabus for Half Yearly Examination: Ch 1, 2, 3, 4, 5, 6		
OCTOBER	7. Querying Using SQL	21. Consider the Database table STORE with fields StoreId, Name, Location, city, NoOfEmp. Write SQL command to create the table, insert five records in it, display name, location, city, SalesAmount of stores in descending order of SalesAmount, display names of stores along with SalesAmount of those stores that have 'fashion' anywhere in their store names, display Stores names, Location and Date Opened of stores that were opened before 1st March, 2015, display total SalesAmount of each city along with city name, add a new column YearOfSales, delete the column NoOfEmp, display store names ending with "ion", increase the SalesAmount by 10% where city is "Delhi", delete records where SalesAmount<250000.

NOVEMBER	8. JOINS and SET Operations 9. Introduction to Computer Networks 10. Introduction to Internet and Web 11. Societal Impacts	22. Consider the Database with two tables EMPLOYEE(EmployeeID, Name, Sales,JobID) and JOB(JobID, JobTitle, Salary). Write SQL Queries to display employee ids, names of employees, job ids with corresponding job titles, display names of employees, sales and corresponding job titles who have achieved sales more than 1300000, display names and corresponding job titles of those employee who have 'SINGH' (anywhere) in their names, identify foreign key in the table EMPLOYEE, write SQL command to change the JOBID to 104 of the Employee with ID as E4 in the table 'EMPLOYEE'. 23. Consider a table EMPLOYEE(ENO, ENAME, SALARY, AREA, BONUS, DATEOFJOINING) and answer write SQL queries to display records where bonus is not null, display the maximum and minimum salary of employees, display the number of employees and sum of salary of employees in each area, display the names of employees in upper case and lower case, display the salary of employees rounded to zero decimal places, display the length of names of employees with date of join >01-01-2008, display the ename and month of date of join, Display the ename and year of date of joining.
DECEMBER	Revision	
Syllabus for Pre-Board Examination: Ch 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11		