

वा षक अ यापन प रयोजना

स 2024-25

क ा 11 वी, वषय हद

(1 अ ैल)

पाठ: 1 नमक का दारोगा

पाठ 2 मयां नसी न

अ भ मा यम जनसंचार प लेखन:

भारतीय मी डया के वशेष संदभ मा।

क ा ग त व ध:

पठन-पाठन पाठ का मू यांकन

अ धगम: वादन: वाचन।

ग ांश उ र पदो क ा या एवं उससे संबं धत उदाहरण।

लेखन कौशल

पाठ का सारांश अन्तु ाद वा य के
कार।

(1 मई)

पाठ अपू के साथ ढाई साल।

पाठ वदाई संभाषण

क ा ग त व ध:

पठन-पाठन पाठ का मू यांकन

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पाठ का सारांश अन्तु ाद वा य के
कार,

(1 जुलाई)

पाठ भारतीय गा यका म ब्ने ोड़-लता मंगशे कर

पाठ राजान क रजत बूँद

पाठ आलो-अँर

क ा ग त व

ध पठन-पाठन (वातालाप) क वता वाचन।

खं

गंधाश उ र पद क ा या वा य के उदाहरण

पाठ का सारांश अष्टु ाद वा य के
कार।

(1 अग त)

पाठ गलता लोहा

पाठ रजनी

अ भ मा यम, प लेखन

क ा ग त व ध

पठन-पाठन खं (वातालाप) क वता वाचन।

गंधाश उ र पद क ा या वा य के उदाहरण

पाठ का सारांश अष्टु ाद वा य के
कार।

(1 सत बर)

पाठ जामुन का पेड़

पाठ भारत मात

क ा ग त व ध:

पठन-पाठन पाठ का मू यांकन

अ धगम: वादन: वाचन।

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लेखन कौशल

पाठ का सारांश अष्टु ाद वा य के कार।

(1 अ टूबर)

पाठ हम तो एक एक क र जाना, संतो देखत जग बोराना

पाठ प थक

पठन पाठन पाठ का मू यांकन

अ यास काय ० उ० ब वक पीय का पर अधा रत शन अ यास काय क प रभाषा।
श

(1 नवंबर)

पाठ घर क याद

पाठ हे श्लू मत मचल

क ा ग त व ध:

पठन-पाठन पाठ का मू यांकन

अ धगम: वादन: वाचन।

ग ांश उ र पदो क ा या एवं उससे संबं धत उदाहरण।

लेखन कौशल

पाठ का सारांश अनवु ाद वा य के कार।

ANNUAL PEDAGOGICAL PLAN 2023-24
DELHI PUBLIC GLOBAL SCHOOL CLASS XII BUSINESS STUDIES

MONTHLY SYLLABUS	TOPIC	SUB-TOPIC	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
APRIL	Nature and Significance of Management	Management - concept, objectives and importance. Management as Science, Art and Profession. Levels of management. Management functions - planning, organising, staffing, directing and controlling. Coordination - concept, characteristics and importance.	Visit to Mart or stores for checking the principles of management.	After going through this Unit, the students will be able to: understand the meaning, objectives and importance of management. develop the knowledge of essential features of science, art and profession and on the basis of knowledge so acquired to be able to conclude. whether management is an art, a science or a profession. Explain the different levels of management and the functions performed by managers at these levels. Describe that managers at all levels perform the function of planning, organising, staffing, directing and controlling however the scope & importance of these functions differ from Level to level. discuss the need, characteristics and importance of coordination. Develop an understanding that coordination is the essence of Management.
APRIL	Principles of Management	Principles of Management - concept, nature and significance. Fayol's principles of management. Taylor's Scientific Management - principles and techniques.		After going through this Unit, the students will be able to: recognise the meaning, nature and significance of principles of management. Fayol's general principles of management develop an understanding of the principles of management as developed by Henny Fayol and appreciate the fact that these principles are general in nature and are universally applicable in all types of management activities. Taylor's scientific management principles and techniques. State the meaning of scientific Management. Understand its principles and techniques.

ANNUAL PEDAGOGICAL PLAN 2023-24
DELHI PUBLIC GLOBAL SCHOOL CLASS XII BUSINESS STUDIES

MONTHLY SYLLABUS	TOPIC	SUB-TOPIC	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
MAY	Management and Business Environment	Business Environment - concept and importance. Management and Business Environment. Business Environment - concept and importance. Dimensions of Business Environment - Economic, Social, Technological, Political and Legal. Impact of Government policy changes on business with special reference to liberalization, privatization and globalisation in India.		After going through this Unit, the students will be able to: Describe the meaning of business environment & its importance. Discuss different types of business environment. Develop an understanding that changes in government policy on business affects the business in many ways and develop the understanding that policy of liberalisation, privatisation and globalisation have impacted the Indian Business Environment greatly.
MAY	Planning	Concept, importance and limitations. Planning process.		After going through this Unit, the students will be able to: Explain the meaning of planning as a function of management. Develop an understanding about the features, importance and limitation of planning. Planning process. identify the steps in the planning process. Single use and Standing plans - objective, strategy, policy, procedure, method, rule, budget, programme. State the meaning and applications of single use and standing plans.

ANNUAL PEDAGOGICAL PLAN 2023-24
DELHI PUBLIC GLOBAL SCHOOL CLASS XII BUSINESS STUDIES

MONTHLY SYLLABUS	TOPIC	SUB-TOPIC	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
JULY	Organising	Concept and importance. Organizing Process. Structure of organization - functional and divisional. Formal and informal organization. Delegation: concept, elements and importance. Decentralization: concept and importance.		After going through this Unit, the students will be able to: Define the concept of Organising, state features, need and importance of organising as a function of management. Organizing Process-Understand the steps in the organising process. Structure of organisation Formal and Informal. Describe meaning of organisational structures, formal and informal organisations. Appreciate that informal organisation cannot be eliminated and management has to make its effective use. Functional and Divisional- Classify different types of organisational structures, their merits and limitations. Appreciate the suitability of different forms of organisation structures. Delegation: concept, elements and importance. Understand the meaning and need for delegation and appreciate that delegation is essential for the functioning of all types of enterprises. Be aware of the elements of delegation, i.e. authority, responsibility and accountability. Decentralization: concept and importance. Understand the meaning and need for decentralisation and appreciate the distinction between delegation and decentralisation.

ANNUAL PEDAGOGICAL PLAN 2023-24
DELHI PUBLIC GLOBAL SCHOOL CLASS XII BUSINESS STUDIES

MONTHLY SYLLABUS	TOPIC	SUB-TOPIC	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
JULY	Staffing	Concept and importance of staffing. Staffing as a part of Human Resource Management. Staffing process: Recruitment - sources; Selection - process. Training and Development - Concept and importance. Methods of training- on the job and off the job- Induction training, vestibule training, apprenticeship training and internship training.	Role Play as a HR.	After going through this Unit, the students will be able to: Develop the understanding of the concept and importance of staffing as a management function. Appreciate that staffing is a part of human resource management. Examine the process of staffing and become aware of recruitment and selection process. Develop understanding of meaning and benefits of training and development and know different methods of training.
JULY	Directing	Concept and importance. Elements of Directing: - Supervision - concept, functions of a supervisor.; - Motivation - Concept, Maslow's hierarchy of needs; Financial and non-financial incentives.; - Leadership - concept, styles - authoritative, democratic and laissez faire.; - Communication - concept, formal and informal communication; barriers to effective; communication, how to overcome the barriers.		After going through this Unit, the students will be able to: State the meaning and importance of directing as a function of management. Become aware of the elements of directing viz. supervision, motivation, leadership and communication. Understand the meaning and functions of a supervisor, meaning of motivation, Maslow's theory of need hierarchy and types of incentives. Describe the concept and styles of leadership. Recognise the meaning and types of communications and barriers to effective communication alongwith measures to overcome the barriers.

ANNUAL PEDAGOGICAL PLAN 2023-24
DELHI PUBLIC GLOBAL SCHOOL CLASS XII BUSINESS STUDIES

MONTHLY SYLLABUS	TOPIC	SUB-TOPIC	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
AUGUST	Controlling	Concept, nature and importance. Relationship between planning and controlling. Steps in the process of control		After going through this Unit, the students will be able to: Describe the controlling function of management. Relationship between planning and controlling. Appreciate the fact that planning and controlling are related functions of management; planning becomes useless without controlling and there cannot be any controlling without planning. Steps in the process of control. identify the steps in the process of control, i.e. establishment of objectives, measurement of performance, recording of deviations and taking corrective measures.
AUGUST	Financial Management	Concept and objectives of financial management. Financial decisions : investment, financing and dividend and factors affecting. Financial planning - concept and importance. Capital Structure - concept and factors affecting.		After going through this Unit, the students will be able to: State the meaning and objectives of financial management and need for financial management. Explain the importance of financial decisions and the factors affecting these decisions. Describe the meaning of financial planning. Understand the steps in the process of financial planning. Appreciate its importance develop an understanding of the optimal proportion of debt and equity in the capital structure. Appreciate the factors that affect the capital structure of a business. State the meaning of fixed capital, working capital and net working capital. Get aware of the factors which affect the fixed capital and working capital requirements of a business.

ANNUAL PEDAGOGICAL PLAN 2023-24
DELHI PUBLIC GLOBAL SCHOOL CLASS XII BUSINESS STUDIES

MONTHLY SYLLABUS	TOPIC	SUB-TOPIC	ASSESSMENT / ACTIVITIES	LEARNING OUTCOMES
SEPTEMBER	Financial Markets	Financial Markets: concept and types. Money market and its instruments. Capital market and its types (primary and secondary). Stock Exchange - functions and trading procedure. Depository Services and D'mat Account. Securities and Exchange Board of India (SEBI) - objectives and functions.	Field visit to Stock Exchange.	After going through this Unit, the students will be able to: Understand the meaning and types of financial markets. Become aware of the different money market instruments like treasury bills, certificate of deposit, commercial paper etc. Explain the meaning of capital market. Understand the importance and functions of primary market & secondary market discuss the functions of stock exchange in Indian context. Understand the meaning of dematerialisation of share and Role of depository services in facilitating share trading. Appreciate the need for regulation of financial markets. Become aware of the existing regulatory framework.
OCTOBER	Marketing Management	Marketing - concept and functions. Marketing management philosophies. Marketing Mix - concept. Product - concept, branding, labeling and packaging. Price - factors determining price. Physical distribution- concept, channels of distribution: types, choice of channels.	Survey on Marketing Mix.	After going through this Unit, the students will be able to: Explain the meaning and functions of marketing become aware of different philosophies of marketing management explain the meaning of marketing mix and 4p's of the concept of marketing. Understand the concept of branding, labelling and packaging. Know the factors determining the price understand the meaning of channels of distribution and factors affecting the choice of channels. Develop understanding of the concept of promotion and its elements. Appreciate the meaning and benefits of advertising and objections against it. Become aware of the concept of personal selling and qualities of a good salesman. Know the meaning and techniques of sales promotion. Appreciate the meaning and importance of public relations.

Curriculum of Computer Science(New) 083
session 2023-2024
Class :XII

May Topic: Programming and conceptual thinking (II)	Using Python Libraries Library, Modules, Importing modules in a python program(eg. math, random) Using import function, Creating a python library	Program based on random function Output based question	
July: Topic: Programming and conceptual thinking (II)	File Handling Introduction of file, Data File, Opening and closing the files, reading the file, writing the file, Flush function, Significance of file Pointer in file handling, standard input, output and error stream Recursion Recursive function, Binary search, Binary search using recursive function, Recursive verses Iteration(for loop) Idea of Algorithmic Efficiency Computational complexity, Guide line for computing complexity, Big O notation, Best , Average , and worst complexity	<ul style="list-style-type: none"> • Creating the python file write and read the record from the python file. • count the number of alphabet, number of words, Number of white spaces, Number of lines from the file. 	Project based on python language

Month / topic	Theory	Practical / project	Miscellaneous
August Topic: Programming and conceptual thinking (II)	Data Visualization using Pyplot Creating charts with matplotlib library pyplot Interface (Line Chart, Bar Chat, Pie Chart) Customizing the plot : Anatomy of a chart, Adding a title, Setting X and Y labels, Limits and Tickets, Adding Legends Comparing Chart Types, Data Structure I: Linear list Elementary data structure, Different data Structure (Linear List Array, Stack, Queue,	<ul style="list-style-type: none"> • Creating the list • Searching the element from the list • inserting the element in a list • deleting the element from the list 	

	Linked List, Trees, Operations on data Structures, Linear Lists, Linear list data structure (insertion, deletion, Traversing, searching , sorting), Two Dimensional lists		
September: Topic: Programming and conceptual thinking (II) Topic: Computer Network	Data Structure –II Stack And Queue Stacks (Implementation Stack via python, Stack applications.) Queue (Implementation and application) Variation in Queues	Stack operation (push and pop) Queue(insertion and deletion)	

Month / topic	Theory	Practical / project	Miscellaneous
September: Topic: Programming and conceptual thinking (II) Topic: Computer Network-I	Data Structure –II Stack And Queue Stacks (Implementation Stack via python, Stack applications.) Queue (Implementation and application) Variation in Queues Computer Networks and its components , Types of networks, Network Devices The Cloud Internet of things(IoT)		Implementation of network devices, Concept of cloud in the network, Types of protocols discussion in class used by the internet,
October: Topic: Computer Network-II	Modulation Techniques, Collision in Wireless Network(CSMA/CA), Error Detection, Main Idea of Routing, TCP/IP, Domain Name System, Wireless Connectivity protocols, Basic Network Tools(PING, TRACEROUT, NSLOOKUP, IPCONFIG, WHOIS, SPEED TEST), VARIOUS protocols Used in networks, How HTTPS works, secure sockets layer (SSL) Network Applications		

Topics / Month	Theory	Project / Assignment	Miscellaneous
November Topics: MySQL Revision Tour More on SQL Interface Python with SQL	Relational Database Model, Accessing database, Creating table, insertion, deletion, update, alter, Select command, selecting particular row or column, range base, pattern based, Drop, View etc., SQL Join Order By clause, Aggregate Function, Types of SQL function, Group by clause, Having clause Connecting to Mysql from Python Parameterised Queries , Performing Insertion and updata queries,	Testing the SQL commands on MYSQL	
Creating a Django based Basic Web Application	Web Frame work, web, Websites, Web application, Activating Virtual Enviroment Creating basic Django Web Application, Models, views, templets Writing Dictionary data to CSV and text files. Processing Get and Post request		
December	Pre Board Exam 2020		

DELHI PUBLIC GLOBAL SCHOOL
ANNUAL PEDAGOGICAL PLAN 2024-2025

ECONOMICS (030)

OBJECTIVES

- Understanding of some basic economic concepts and development of economic reasoning which the learners can apply in their day-to-day life as citizens, workers and consumers.
- Realization of learners' role in nation building and sensitivity to the economic issues that the nation is facing today.
- Equipment with basic tools of economics and statistics to analyse economic issues. This is pertinent for even those who may not pursue this course beyond senior secondary stage.
- Development of understanding that there can be more than one view on any economic issue and necessary skills to argue logically with reasoning.

COURSE STRUCTURE

ECONOMICS
CLASS - XII (2024-2025)

Theory: 80 Marks

3 Hours

Project: 20 Marks

Units	Marks	Periods
Part A		
Introductory Macroeconomics		
National Income and Related Aggregates	10	30
Money and Banking	06	15
Determination of Income and Employment	12	30
Government Budget and the Economy	06	17
Balance of Payments	06	18
	40	
Part B		
Indian Economic Development		
Development Experience (1947-90) and Economic Reforms since 1991	12	28
Current Challenges facing Indian Economy	20	50
Development Experience of India – A Comparison with Neighbours	08	12
Theory Paper (40+40 = 80 Marks)	40	
		200
Part C		
Project Work	20	20

Suggested Question Paper Design Economics (Code No.030)
Class XI (2024-25)

March 2025 Examination

Marks: 80

Duration: 3 hrs.

SN	Typology of Questions	Marks	Percentage
1	Remembering and Understanding: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas	44	55%
2	Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	18	22.5%
3	Analysing, Evaluating and Creating: Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations. Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.	18	22.5%
	Total	80	100%

ANNUAL SYLLABUS BREAK UP

APRIL

Part B: Indian Economic Development

Unit 6: Development Experience (1947-90) and Economic Reforms since 1991:

A brief introduction of the state of Indian economy on the eve of independence. Indian economic system and common goals of Five Year Plans.

Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI – role & importance) and foreign trade.

Economic Reforms since 1991:

Features and appraisals of liberalisation, globalisation and privatisation (LPG policy); Concepts of demonetization and GST

MAY-JUNE

Unit 7: Current challenges facing Indian Economy

Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India

Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming

Employment: Growth and changes in work force participation rate in formal and informal sectors; problems and policies

Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming

JULY

Unit 8: Development Experience of India:

Pakistan India and China

Issues: economic growth, population, sectoral development and other Human Development Indicators

AUGUST

Unit V: National Income

Some basic concepts: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation.

Circular flow of income; Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method.

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; National Disposable Income (gross and net), Private Income, Personal Income and Personal Disposable Income; Real and Nominal GDP. GDP and Welfare

SEPTEMBER

Unit VI: Money and Banking

Money - its meaning and functions. Supply of money - Currency held by the public and net demand deposits held by commercial banks. Money creation by the commercial banking system. Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt. Bank, Banker's Bank, Controller of Credit through Bank Rate, CRR, SLR, Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement.

Video on the topic 'Banking Structure in India'

Unit VII: Determination of Income and Employment

Aggregate demand and its components.

Propensity to consume and propensity to save (average and marginal).

Short-run equilibrium output; investment multiplier and its mechanism.

Meaning of full employment and involuntary unemployment. Problems of excess demand and deficient demand; measures to correct them - change in government spending, availability of credit.

OCTOBER

Unit VIII: Government Budget

Government budget - meaning, objectives and components.

Classification of receipts - revenue receipts and capital receipts; classification of expenditure - revenue expenditure and capital expenditure. Measures of government deficit - revenue deficit, fiscal deficit, primary deficit their meaning.

Video on the topic 'Government Budget'

NOVEMBER

Unit IX: Balance of Payment

Balance of payments account - meaning and components; balance of payments deficit-meaning. Foreign exchange rate - meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market.

SEPTEMBER

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Unit IX: Balance of Payment

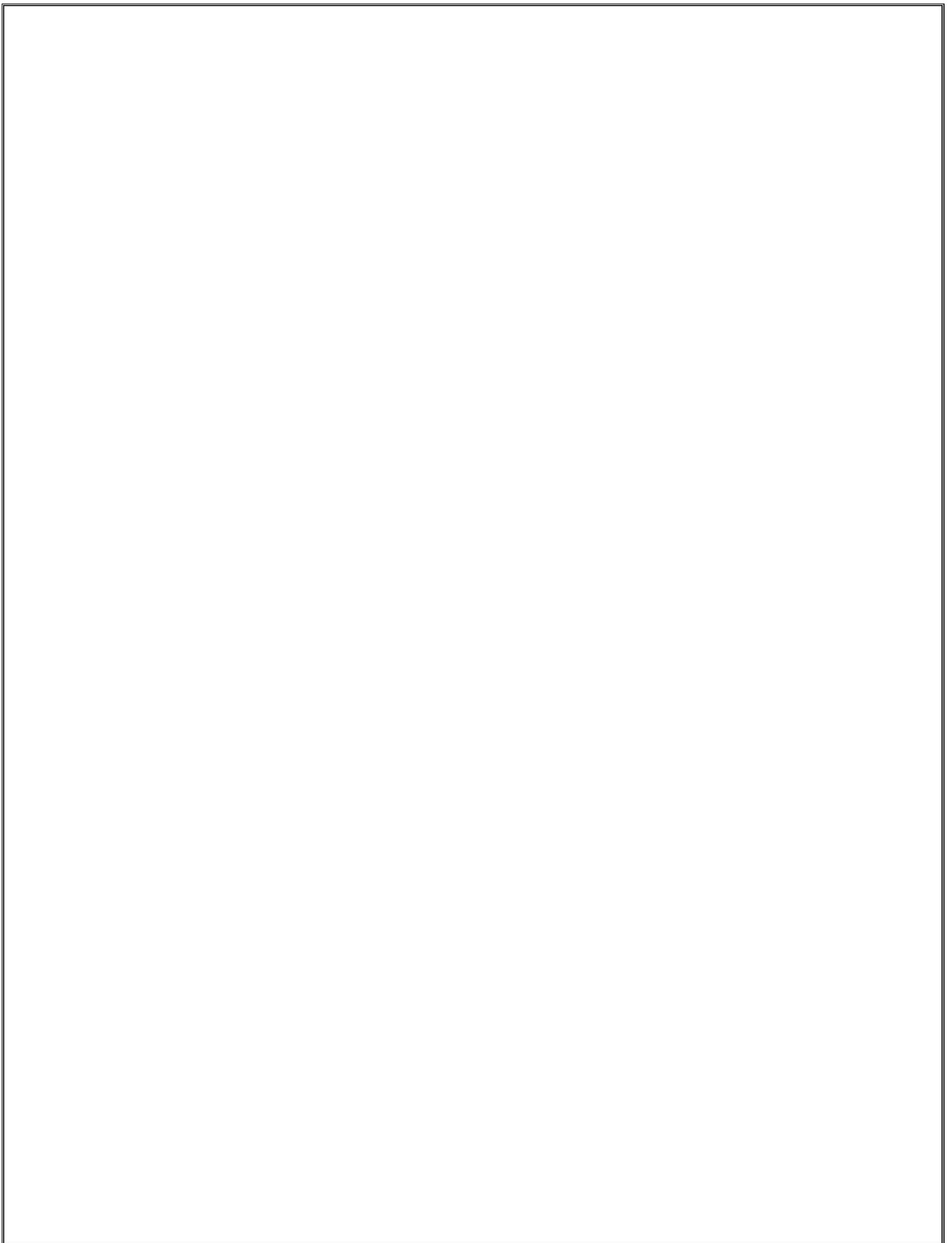
Balance of payments account - meaning and components; balance of payments deficit-meaning. Foreign exchange rate - meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market.

DECEMBER

REVISION FOR PRE BOARD EXAMINATION

JANUARY

PRACTICALS AND PROJECT WORK





Delhi Public Global School, Moradabad
Annual Planner of English
Class 12th
Session 2024-25

Topic	Specific Objective	Methodology/ Discussion	Assignment Listening, Speaking, Reading and Writing Skills	Learning Outcome
APRIL				
Topic: The Last Lesson No. of Periods 08	<ul style="list-style-type: none"> • to make the students identify the genre to which the story belongs • to understand the techniques used by the author - to enhance vocabulary . • to enable them to realize the importance of a teacher in the life of a student. 	<p>The learners would interpret the title of the lesson. The background knowledge of the author and his works would be given. The facilitator would discuss difficult words and terms would be discussed. The prose will be explained. All possible questions and answers would be discussed and assigned.</p> <p style="text-align: center;">Discussion of Scoring Points/ Marking Scheme/Sample Questions.</p>	<ul style="list-style-type: none"> • Group Discussion on Political enslavement is a curse on any Nation as it deprives it of its identity • Narrate a story on the Last lesson of most inspired teacher 	<ul style="list-style-type: none"> • They would develop their optimistic attitude towards life struggles. • They would be able to familiarize themselves with specific background information of Alphonse Daudet/ history of France. • They would be able to make connections between similar situations in different storylines/life experiences.
Topic: My Mother at Sixty Six No. of Periods 06	<ul style="list-style-type: none"> • to encourage the students to appreciate poetry and read aloud with proper intonation • to prepare the students for poetic forms and figures of speech, rhyme and rhythm • to build up empathy, sympathy. 	<ul style="list-style-type: none"> • The background of the poet would be discussed. • The poem would be read aloud with proper intonation rhyme and rhythm. • Difficult terms and words would be The background of the poet would be discussed. • The poem would be read aloud with proper intonation rhyme and rhythm. • Difficult terms and 	<ul style="list-style-type: none"> • Speech on Importance of Mother • Narrate an incident to show the importance of mother in life.. 	<ul style="list-style-type: none"> • The students would be able to grasp the theme and meaning of the poem. • They would be able to read the poem with proper tone and rhyme and develop an interest in poetry. • Eternal law of ageing & complex subtleties of human relationship. • Their vocabulary would be strengthened. • Their analyzing skills would be enhanced.

		<p>words would be explained so that the students can predict the atmosphere of the world inside the poem.</p> <ul style="list-style-type: none"> • The poem would be explained covering the phrases, sentences and discourse as well as their structuring. • Silent reading of the poem by the students within five minutes and listing the difficult terms. • The figures of speech and rhyme scheme would be discussed. 		
<p>Notice Writing</p> <p>No. of Periods 04</p>	<ul style="list-style-type: none"> • to enable the students to apply the correct format while writing a notice. • to make the students comprehend why a notice is written and the style and procedure. 	<ul style="list-style-type: none"> • The Learners would be asked to speak about a notice they received and they remember still • The teacher would explain what a notice is and its purpose. The standard format of notice writing would be shown in the class. • The teacher would discuss in detail what a notice should contain. 	<p>Notice Writing exercises : Different topics on different fields of notice for all range of learners</p>	<ul style="list-style-type: none"> • Students will be able to analyse any NOTICE shown to them on the basis of the knowledge imparted. • They will be able to frame notice about any event. • They will be able to identify important information in any given notice. • Students will be able to use appropriate style and format to write a NOTICE effectively.
<p>INVITATION WRITING/ REPLIES</p> <p>No. of Periods 06</p>	<ul style="list-style-type: none"> • To enable the learners to express their ideas cohesively without any difficulty. • to enable them to comprehend different written texts for personal/public information, their formats and purpose. 	<ul style="list-style-type: none"> • Developing the format in sequence or discourse/ spoken with reference to the educational, personal domains. • The teacher would discuss with examples all kinds of invitations and the method of framing replies. 	<p>Framing and preparing invitation cards for different purposes</p>	<ul style="list-style-type: none"> • The learners would be able to express their ideas cohesively, completely, fluently and spontaneously with expressions, grammar usage and relevant vocabulary for a hospitable announcement of an event.
<p>REPORT WRITING</p> <p>No of Periods : 4</p>	<ul style="list-style-type: none"> • to develop students' abilities to organize information and construct it into a text. • to develop students' 	<ul style="list-style-type: none"> • The teacher in the beginning of the session would give students the opportunity to collect information 	<ul style="list-style-type: none"> • Write a Report on the sites visited by you during the school trips. • Write a Report on 	<ul style="list-style-type: none"> • The learners will be able to discuss the purpose of various reports. • They will be able to

	<p>abilities to revise, redraft and improve their writing</p> <ul style="list-style-type: none"> • To develop students' abilities to construct questions 	<p>on a declared issue before writing the report.</p> <ul style="list-style-type: none"> • During the session students will go through the process of developing ideas and collecting and organizing information. • They will then use the information to create the first draft of an imaginary report. • They will then focus on some key areas of good writing and try to redraft their reports with these in mind.(Inductive Learning) 	<p>a recent disaster.</p>	<p>describe the kinds of information to include in specific reports and identify tips for writing a clear, concise, and useful report.</p> <ul style="list-style-type: none"> • They will recognize and address patterns and trends and be able to explain how the tone of a report can affect worker morale and motivation.
<p>LOST SPRING (Flamingo)</p> <p>No of Periods : 8</p>	<ul style="list-style-type: none"> • to sensitize the students to the problem of child labour. • to facilitate making connections between similar situations in different storylines/life experiences. 	<ul style="list-style-type: none"> • The session would begin with an audio – video presentation on the plight of poor children. • The learners would be asked to interpret the title of the lesson relating it to the presentation. • The background of the author would be given. • The theme and story line would be explained. 	<ul style="list-style-type: none"> • E-Project on Child Labour : Shape Our Future Bright • On the basis of PPT Write a report on the Problem of Child Labour in India for your school magazine. • Being the head boy/girl of your school, write a notice informing students about the 'Anti-Child-Labour' day going to be observed in your school 	<ul style="list-style-type: none"> • Learners will be able to sensitize the learners to the problem of child labour. • They would be able to identify the problem, consider the options, weigh the pros and cons of each option, and reach a decision/opinion/solution. • They would enhance their analytical skills.
MAY				
<p>THIRD LEVEL (Vistas)</p> <p>No. of Periods: 06</p>	<ul style="list-style-type: none"> • -The story revolves around Charley, the protagonist, who claimed to find himself on the third level at the grand Central Station which the rail authorities swore doesn't exist. The Third level refers to the world of fantasy where 	<ul style="list-style-type: none"> • understand how fantasy and reality can be interwoven • understand 'waking dream wish fulfilment' concept -understand split personality and how one wanders from one world to another if he is insecure, fearful, tensed and worried 	<ul style="list-style-type: none"> • an interaction on fantasy and reality by giving examples of the movie Ra One and the reference of futuristic video games. • the title of the lesson would be open for class 	<ul style="list-style-type: none"> • identify and make connections between similar situations in own life experiences • understand the contrast between the fantasy world and real world • acquire realistic approach towards real life challenges

	<p>Charley used to visit as a temporary relief or a medium of escape from the world of harsh realities. Man achieves this by constantly moving between the past, the present and the future</p>	<ul style="list-style-type: none"> • understand that one should not be an escapist rather accept the challenges of real life 	<p>interpretation.</p> <ul style="list-style-type: none"> • Brief up about the author 	
<p>TIGER KING (Vistas)</p> <p>No of Periods : 08</p>	<ul style="list-style-type: none"> • to enhance the integrated skills of the learners. • to enhance familiarizing with specific background information of author. • to raise an awareness to conserve Wild Life. • to enable them to understand the importance to sustaining ecological balance. 	<ul style="list-style-type: none"> • The session would start with a short video on save tiger. • The learners would interpret the title of the story and relate it to the video shown. • The background of the author would be given. The story would be read aloud • The theme and underlying meaning would be discussed. • A comparative study between Mrs Packletide's Tiger and the lesson. • Difficult words would be listed and explained. • The moral of the story would be discussed. 	<ul style="list-style-type: none"> • Presentation on Treatment to Wild Life through Power Point Presentation. 	<ul style="list-style-type: none"> • They would be able to familiarize with specific Royal Indian background information of the author/history of cruel insensitive kings who found pleasure in hunting and killing innocent animals. • They would understand the importance of becoming sincere and trustworthy in thought and action. • They would be understanding, responsible, tolerant and have respect for class identities – democratic citizenship.
<p>DEEP WATER</p> <p>No of Periods 08</p>	<ul style="list-style-type: none"> • -to enable the students to enhance their understanding skills and create an interest on the topic to be studied. • to make the students enrich their vocabulary and strengthen their understanding skills. • to prepare the learners for digital learning. • to enhance the learners' listening skill. • to enable them to strengthen their logical and critical thinking skills. • to develop their 	<ul style="list-style-type: none"> • The session would begin with an interactive session wherein the teacher would ask the students to discuss about their phobias as related to the theme of the lesson. • The prose would be read aloud. • Difficult words would be discussed. • The story outline, theme and values would be discussed by the teacher through a PowerPoint Presentation. 	<ul style="list-style-type: none"> • Worksheets on Listening task, Crisis Management, Creative writing to unfold logical thinking skills. 	<ul style="list-style-type: none"> • The learners would unfold their logical thinking skills. • Their vocabulary will be enriched. • They would be able to organize their thoughts, research work, compile and present in an economic writing style. • The creative writing skills would be enhanced. • They would develop their listening, speaking, questioning and presentation skills. • They would strengthen their decision making

	<p>creative writing skill.</p> <ul style="list-style-type: none"> • to prepare them for Crisis Management. • to inculcate the values of hard work and determination. 			skills.
JULY				
<p>KEEPING QUIET</p> <p>No of Periods: 08</p>	<ul style="list-style-type: none"> • to read and recognize the purpose of economy of words and the hidden feelings and nuances of the lines, correlating them with author's background and personal experiences. • to build up didactics, empathy and sympathy with the speaker • to enable them to realize the need of the hour and establish peace. • to inculcate the values of introspection, retrospection, peace, sensitivity to the environment, universal brotherhood, empathy and self awareness. 	<ul style="list-style-type: none"> • The session would begin with the study of silence. • The teacher would ask the learners to maintain silence and the study the sounds of silence for one minute. • The learners would discuss on the sounds and thoughts of silence and relate to the title of the poem. • The background of the author would be given. • The poem would be read aloud and discussed. • Difficult words would be listed out and discussed. • The synopsis would be shown with the help of a PPT. 	<ul style="list-style-type: none"> • Role Play on establishing Peace and Unity. • Write a script on Peace and Unity and act on it. 	<ul style="list-style-type: none"> • The learners would be able to understand the need of the hour to maintain peace and cut out the clamour and bloodshed, correlating it with contemporary background and personal experiences.
<p>THE ENEMY (Vistas)</p> <p>No of Periods : 14</p>	<ul style="list-style-type: none"> • to make the students realize the essential worth of human life and universal brotherhood. • to help them think beyond countries and continents and races and wars. 	<ul style="list-style-type: none"> • The session would start with an interactive session on the services of a doctor. • The title of the lesson would be open for class interpretation. • The background of the author would be given. • The lesson would be read aloud and explained. The historical background of the story and war related issues would be discussed. • Difficult words would be listed out and discussed. 	<ul style="list-style-type: none"> • A Study on War Stories and present it through a Power Point Presentation. 	<ul style="list-style-type: none"> • The learners will be able to familiarize themselves with specific background of political enmity. • They will be able to identify and make connections between similar situations in own life experiences where our prejudices often hinder our human compassion and empathy for a political enemy. • They will be able to understand the significance of professional ethics and

				social obligation in sensitive times.
Letter Writing – Editors No of Periods : 06	<ul style="list-style-type: none"> to express ideas harmoniously and chronologically without difficulty in expressions, grammar usage, format usage, relevant vocabulary. 	<ul style="list-style-type: none"> The format, rules, technique would be discussed with examples. The usage of language would be taught and students would be assigned written tasks 	<ul style="list-style-type: none"> Writing a report/ letter to the editor on a recent disaster/metro with congruent newspaper clip. 	<ul style="list-style-type: none"> The learners would be able to organise their thoughts and express freely. They would develop an interest towards writing thus enhancing their writing skills. Their thinking skills would be enhanced.
AUGUST				
Article Writing No of Periods : 06	<ul style="list-style-type: none"> to enhance familiarizing with specific background information of author to express ideas fluently and Spontaneously without difficulty in expressions, grammar usage, format usage, relevant vocabulary. 	<ul style="list-style-type: none"> The session would start with a pre-writing activity to create an interest towards writing. The teacher would define what an article is and discuss the purpose of article writing. The different styles, subjects, purpose of article writing would be discussed. The teacher would explain the technique of accumulating ideas, focusing on ideas and facts, planning, organizing, evaluating, structuring and editing. They would be taught the importance and way of producing a finished piece of work with examples The requirements of the content, beginning, body and end would be focused. 	<ul style="list-style-type: none"> Assignment on various subjects 	<ul style="list-style-type: none"> The students would develop an interest towards writing. Their planning and organizing techniques would be enhanced. They would be able to research on any subject and derive information from facts and present him in the form of a written piece. Their creative writing would be analysed. The interpreting and evaluative skills would be strengthened
Journey To The End Of The Earth No. Of Periods: 06	<ul style="list-style-type: none"> enhance their vocabulary and expressions. communicate their ideas regarding Antarctica. understand that India and Antarctica at one 	<ul style="list-style-type: none"> check and analyse the effect of increase of human population and climate change. foster a new understanding and respect for our planet Earth. 	<ul style="list-style-type: none"> Brief up about the author Why do people go for expedition? The students will be shown a video on ‘Antarctica’. 	<ul style="list-style-type: none"> understand that millions of years ago humans hadn’t arrived and the climate was much warmer with a variety of flora and fauna. know that the landmass

	<p>point of time had been part of the same landmass.</p> <ul style="list-style-type: none"> • understand that the breakup of Gondwana started the episode of a continental drift. • understand the significance of Cordilleran folds and pre Cambrian granite shields. • gain knowledge of the ‘Students on Ice’ programme for high school students. 	<ul style="list-style-type: none"> • understand that they are the future generation of policy makers. • show care and concern for the increase in the average global temperature and other species on the planet. 		<p>disintegrated into countries shaping the globe.</p> <ul style="list-style-type: none"> • understand that to study the Earth’s past, present and future, Antarctica is the place – the World’s geological history is in Antarctica. • analyse and evaluate the effect of human population and climate change.
<p>On The Face Of It</p> <p>No of Periods : 12</p>	<ul style="list-style-type: none"> • to enable the learners to view others by removing the glasses of prejudice, hatred, and dislike. • to adapt reality of life bravely • to build inner strength and look at the brighter sides of life. 	<ul style="list-style-type: none"> • The session would start with an interaction on appearances are deceptive. • The title of the story would be open for interpretation. • The background of the author would be given. • The prose would be read aloud and discussed. • It would follow by Developing the format of text in sequence or discourse /spoken with reference to the global, cultural, public domains of social life. 	<ul style="list-style-type: none"> • Group discussion on “It’s got nothing to do with my face and what I look like” Documentary on the success stories of physically challenged people 	<ul style="list-style-type: none"> • The learners would be able to fight out their loneliness, depression and disappointment. • They would accept the physically challenged people positively in their life and expand their social interaction. • They would be able to build up optimism and self confidence.
<p>THE RATTRAP</p> <p>No of Periods: 12</p>	<ul style="list-style-type: none"> • to guide the students to relate the characteristics of literature to larger cultural and human values. • to facilitate making connections between similar situations in different storylines/life experiences. 	<ul style="list-style-type: none"> • The session would begin with an interactive stage wherein the students would discuss on the temptations in life on basis of the theme of the story. • The title of the lesson would be opened to the class for interpretation. • The background knowledge of the author would be given. • The prose would be 	<ul style="list-style-type: none"> • Debate on The whole World is nothing but a great Rattrap. 	<ul style="list-style-type: none"> • The students would be able to effectively provide a synopsis of the story. • They will be able to analyze the values and thought process of the story. • They would be able to identify the insecurity while tackling personal fears and horrors that lurk in the recesses of our mind. • They would be able to

		<p>explained.</p> <ul style="list-style-type: none"> • Difficult words would be listed and explained. The moral of the story would be discussed. 		<p>appreciate the significance of developing personal fears yet rising above them to savour real liberty.</p> <ul style="list-style-type: none"> • Their vocabulary would be enriched.
SEPTEMBER				
<p>MEMORIES OF CHILDHOOD</p> <p>No of Periods: 06</p>	<ul style="list-style-type: none"> • to enable the learners to develop comprehension. • to guide them to have a broader outlook. • to understand the problems related to casteism and racial discrimination. 	<ul style="list-style-type: none"> • The session would begin with a presentation on the great personalities who fought against social injustice. • The title of the lesson would be open for class interpretation. • The background of the author would be given. The lesson would be read aloud and discussed. Difficult words would be listed out and discussed. 	<ul style="list-style-type: none"> • Creating Posters for Cultural equality. 	<ul style="list-style-type: none"> • The learners would be able to sensitize themselves to the issues of estranged cultural ties. • They will be able to make connections between similar situations in different storylines/life experiences. • They will be able to initiate the role of an ambassador in the world ridden with racial and class differences. • They would be able to recognize the universal/global theme of inequality.
<p>Revision Work</p> <p>No of Periods: 06</p>	<ul style="list-style-type: none"> • To check understanding of the learners 	<ul style="list-style-type: none"> • Teacher will ask questions related to the chapters. 	<ul style="list-style-type: none"> • Written Revision will be taken for Writing Section 	<ul style="list-style-type: none"> • The learners would be able to Understand the topic more clearly and can clear their doubts to obtain good marks.
OCTOBER				
<p>Indigo</p> <p>No. of Periods: 06</p>	<ul style="list-style-type: none"> • Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters. 	<ul style="list-style-type: none"> • Understanding the historical significance of the lesson. Appreciating the biographical style of writing Appreciation of Gandhi's leadership style 	<ul style="list-style-type: none"> • Encouraging students to role-play as various characters to interact with one another. 	<ul style="list-style-type: none"> • The students would be able to effectively provide a synopsis of the story. • They will be able to analyze the values and thought process of the story
<p>Poets & Pancakes</p> <p>No. of Periods: 06</p>	<ul style="list-style-type: none"> • Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters 	<ul style="list-style-type: none"> • The session would begin with an interactive session wherein the teacher would ask the students to discuss about their 	<ul style="list-style-type: none"> • Debate on "Should makeup be banned"? 	<ul style="list-style-type: none"> • The students would be able to effectively provide a synopsis of the story. • They will be able to analyze the values and

		<p>opinion as related to the theme of the lesson.</p> <ul style="list-style-type: none"> • The prose would be read aloud. Difficult words would be discussed. 		<p>thought process of the story</p>
<p>AUNT JENNIFER'S TIGERS</p> <p>No. of Periods: 04</p>	<ul style="list-style-type: none"> • to enable the learners to appreciate poetry • to infer the deeper meaning/message • to prepare the students for poetic forms and adept them with the figures of speech, rhyme and rhythm • to develop the ability of appreciation of ideas and criticizing the thinking. 	<ul style="list-style-type: none"> • Pre-reading activity would be the first step wherein the students would delve deep into the title of the poem. • The learners would make an interpretation of the title as it indicates the subject and theme. • The background of the poet would be discussed. • The poem would be read aloud with proper intonation rhyme and rhythm. 	<ul style="list-style-type: none"> • PPT(audio-visual demonstration of the poem) 	<ul style="list-style-type: none"> • The learners will be able to facilitate making connections between similar situations in different storylines/life experiences. • They will be able to empathize with Aunt Jennifer's problems and seek resolution. • They will be able to think and produce spontaneous, fluid and expression in poetic texts to convey a social change. • They would discern prevailing inequalities in various guises.
<p>A Roadside Stand</p> <p>No. of Periods: 08</p>	<ul style="list-style-type: none"> • to enable the learners to appreciate poetry • to infer the deeper meaning/message • to prepare the students for poetic forms and adept them with the figures of speech, rhyme and rhythm • to develop the ability of appreciation of ideas and criticizing the thinking. 	<ul style="list-style-type: none"> • Pre-reading activity would be the first step wherein the students would delve deep into the title of the poem. • Difficult terms and words would be explained so that the students can predict the atmosphere of the world inside the poem. • The poem would be explained covering the phrases, sentences and discourse as well as their structuring. • Silent reading of the poem by the students within five minutes and listing the difficult terms. • The figure of speech and rhyme scheme would be discussed. 	<ul style="list-style-type: none"> • PPT(audio-visual demonstration of the poem) 	<ul style="list-style-type: none"> • The learners would unfold their logical thinking skills. • Their vocabulary will be enriched. • The creative writing skills would be enhanced. • They would develop their listening, speaking, questioning and presentation skills. • They would strengthen their decision making skills.

<p>A Thing of Beauty</p> <p>No. of Periods: 04</p>	<ul style="list-style-type: none"> to encourage the students to appreciate poetry and read aloud with proper intonation to prepare the students for poetic forms and figures of speech, rhyme and rhythm 	<ul style="list-style-type: none"> Pre-reading activity would be the first step wherein the students would delve deep into the title of the poem The background of the poet would be discussed. The poem would be read aloud with proper intonation rhyme and rhythm. 	<ul style="list-style-type: none"> PPT(audio-visual demonstration of the poem). 	<ul style="list-style-type: none"> The learners would unfold their logical thinking skills. Their vocabulary will be enriched.. The creative writing skills would be enhanced. They would develop their listening, speaking, questioning and presentation skills. They would strengthen their decision making skills.
NOVEMBER				
<p>The Interview</p> <p>No. of Periods: 08</p>	<ul style="list-style-type: none"> Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters 	<ul style="list-style-type: none"> The session would begin with an interactive session wherein the teacher would ask the students to discuss about their opinion as related to the theme of the lesson. The prose would be read aloud. Difficult words would be discussed. 	<ul style="list-style-type: none"> PPT(audio-visual Demonstration. 	<ul style="list-style-type: none"> The students would be able to effectively provide a synopsis of the story. They will be able to analyze the values and thought process of the story
<p>Going Places</p> <p>No. of Periods: 08</p>	<ul style="list-style-type: none"> Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters. 	<ul style="list-style-type: none"> The session would begin with an interactive session wherein the teacher would ask the students to discuss about their opinion as related to the theme of the lesson. The prose would be read aloud. Difficult words would be discussed. 	<ul style="list-style-type: none"> PPT(audio-visual Demonstration. 	<ul style="list-style-type: none"> The students would be able to effectively provide a synopsis of the story. They will be able to analyze the values and thought process of the story.
<p>WRITING SKILLS</p> <p>Letter of Job Application</p> <p>No of Periods 08</p>	<ul style="list-style-type: none"> to enable the learners to express their ideas fluently, chronologically and concisely. -to express request fluently and orderly with proper tone and expressions. 	<ul style="list-style-type: none"> The teacher would stress the students on the importance of application – they may lead to an interview and discuss the content of a letter of application and note the responses on the blackboard/or discuss through a PPT. 	<ul style="list-style-type: none"> Select a job advert from the Times Classified (would be provided) and write an appropriate letter of application. Exchange letters with a partner and use the checklist to 	<ul style="list-style-type: none"> The learners will be able to understand the nature and purpose of a letter of application. They will be able to examine a variety of letters to determine best layout, content and style. They will be able to develop and

			see how well your partner has completed the letter.	produce their own letter of application and prepare cover letter and attached bio data.
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Curriculum Plan of Mathematics
(Session: 2024-2025)

Month Topic	Sub Topic	Concept/ Mathematics Activities	Discussion	Assignment
April Topic: Inverse Trigonometric Functions No. of Periods: 15	Definition, range, domain, principal value branch. Graphs of inverse trigonometric Functions Elementary properties of inverse trigonometric functions.	<ul style="list-style-type: none"> To draw the graph of $\sin^{-1}x$, using the graph of $\sin x$ and demonstrate the concept of mirror reflection (about the line $y = x$) To explore the principal value of the function $\sin^{-1}x$ using a unit circle. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Inverse Trigonometric Functions
Topic: Matrices No. of Periods: 25	Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Concept of elementary row and column operations. Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).		Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Algebra of Matrices
Topic: Determinants No. of Periods: 25	Determinant of a square matrix (up to 3 x 3 matrices), properties of determinants, minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.		Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Determinants (especially operation based and system of equations)

Month Topic	Sub Topic	Concept/ Mathematics Activities	Discussion	Assignment
May Topic: Continuity and Differentiability No. of Periods: 20	Continuity and differentiability, derivative of composite functions, chain rule, derivative of inverse trigonometric functions, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives. Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretation.	<ul style="list-style-type: none"> To find analytically the limit of a function $f(x)$ at $x = c$ and also to check the continuity of the function at that point. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Continuity, differentiability and Derivatives of various functions
Topic: Applications of Derivatives No. of Periods: 10	Applications of derivatives: rate of change of bodies, increasing/decreasing functions, tangents and normal use of derivatives in approximation, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations).	<ul style="list-style-type: none"> To verify Rolle's Theorem & Lagrange's Theorem To understand the concepts of decreasing and increasing functions 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Applications of derivatives (especially increasing-decreasing functions & maxima-minima concept)
July Topic: Integrals No. of Periods: 20	Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them. $\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}}, \int \frac{dx}{ax^2 + bx + c}, \int \frac{dx}{\sqrt{ax^2 + bx + c}}$ $\int \frac{px + q}{ax^2 + bx + c} dx, \int \frac{px + q}{\sqrt{ax^2 + bx + c}} dx, \int \sqrt{a^2 \pm x^2} dx, \int \sqrt{x^2 - a^2} dx$ $\int \sqrt{ax^2 + bx + c} dx, \int (px + q)\sqrt{ax^2 + bx + c} dx$ Definite integrals as a limit of a sum, Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.	<ul style="list-style-type: none"> To evaluate the definite integral $\int_a^b \sqrt{(1-x^2)} dx$ as the sum and verify it by actual integration. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Definite & Indefinite integrals

Month Topic	Sub Topic	Concept/ Mathematics Activities	Discussion	Assignment
Topic: Applications of the Integrals No. of Periods: 15	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only), Area between any of the two above said curves (the region should be clearly identifiable).		Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Areas bounded by the curves (including all type of equations)
August Topic: Differential Equations No. of Periods: 15	Definition, order and degree, general and particular solutions of a differential equation. Formation of differential equation whose general solution is given. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type: $\frac{dy}{dx} + py = q, \text{ where } p \text{ and } q \text{ are functions of } x \text{ or constants.}$ $\frac{dx}{dy} + px = q, \text{ where } p \text{ and } q \text{ are functions of } y \text{ or constants.}$		Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Differential equations (especially homogeneous equations & linear differential equations)
Topic: Vectors No. of Periods: 15	Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors, scalar triple product of vectors.	<ul style="list-style-type: none"> To verify geometrically that $\vec{c} \times (\vec{a} + \vec{b}) = \vec{c} \times \vec{a} + \vec{c} \times \vec{b}$ 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Dot product, cross product and triple product of vectors
September	Half Yearly Examination			

Month Topic	Sub Topic	Concept/ Mathematics Activities	Discussion	Assignment
October Topic: Three - dimensional Geometry No. of Periods: 15	Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, coplanar and skew lines, shortest distance between two lines. Cartesian and vector equation of a plane. Angle between (i) two lines, (ii) two planes, (iii) a line and a plane. Distance of a point from a plane.	<ul style="list-style-type: none"> To demonstrate the equation of a plane in normal form. To measure the shortest distance between two skew lines and verify it analytically. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on D.C.'s & D.R.'s of line, co planarity, Cartesian & vector equations, shortest distance between lines and study of plane.
Topic: Linear Programming No. of Periods: 20	Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems, mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).		Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Formulation of L.P.P., feasible & infeasible solutions
November Topic: Probability No. of Periods: 30	Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean and variance of random variable.	<ul style="list-style-type: none"> To explain the computation of conditional probability of a given event A, when event B has already occurred through an example of throwing a pair of dice. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on conditional probability, Bayes' Theorem, random variable, probability distribution, mean and variance of random variable.
Topic: Relations and Functions No. of Periods: 15	Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and on to functions, composite functions, inverse of a function.	<ul style="list-style-type: none"> To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m) : llm\}$ is an equivalence relation. To demonstrate a function which is one-one but not onto. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on type of Relations, inverse of function, binary operation, one-one, many one, onto functions.
December	Pre Board Examination			

EXAMINATION SYLLABUS

Periodic Test - 1

- Inverse Trigonometric Functions
- Matrices

Half Yearly Examination

- Inverse Trigonometric Functions
- Matrices
- Determinants
- Continuity and Differentiability
- Applications of Derivatives
- Vectors
- 3 Dimensional Geometry
- Linear Programming
- Probability

Pre Board Examination

Full Syllabus

NOTE: There will be a class test after every chapter.

Annual Pedagogical Plan
Subject -Physical Education (048)
Class XII
Session 2024 -25

Month /Topic	Theory	Practical / Project	Miscellaneous
April Topic Planning In Sports .	<ul style="list-style-type: none"> • Meaning and objectives of planning. • various committees and their responsibilities. • Tournament. • Fixture. • Intramural & Extramural. • Specific sports programmes. 	<ul style="list-style-type: none"> • Make a knock out fixture of 23 football teams for a tournament. • What planning has to be done for making school foundation day. 	<ul style="list-style-type: none"> • Experiential learning procedure : Make a successful arrangement fo a sports day function in your school . • EBSB: Organize a rally for health and hygiene . • Joyful learning method :do participate in various specific sports programmes eg. Run for unity , run for fun & health run .
May	<ul style="list-style-type: none"> • Revision 	<ul style="list-style-type: none"> • Specific sports programme • Intramural • Extramural 	<ul style="list-style-type: none"> • Experiential learning procedure: organize a knock out tournament for basketball .
July Topic Children and Women in Sports	<ul style="list-style-type: none"> • Balanced Diet and Nutrition • Nutritive and Non Nutritive components of Diet. • Eating for weight control. 	<ul style="list-style-type: none"> • Make a chart for chemicals found in foods that are critical to human growth and function 	<ul style="list-style-type: none"> • Experiential learning procedure :take data from your family members and calculate their BMI any five . • Joyful learning method : calculate the basic energy requirements of individual for 24 hour by using this formulae (1.3 cal x body

			weight x 24 hour) <ul style="list-style-type: none"> • Art Integrated Activities : Make a chart for nutritive and non nutritive components of diet.
August Topic Yoga as preventive measure for lifestyle disease.	<ul style="list-style-type: none"> • Asanas as preventive measures • Obesity • Diabetes • Asthma • Hypertension • Back Pain 	<ul style="list-style-type: none"> • Students shall take the yoga mats and do the Asanas for curing Back pain & obesity 	<ul style="list-style-type: none"> • Experiential Learning Procedures : Students shall take the yoga mats to the ground and do the Bhujang Asanas, Vajr Asanas & Paschimottan Asanas. • Joyful Learning Method students shall do some Pranayam and yogic Kriyas. • EBSB : Students shall take participate in world yoga day event .
Topic Physical Education And Sports For CWSN.	<ul style="list-style-type: none"> • Concept of Disability & Disorder • Types of Disability • Types of Disorder • Disability Etiquettes • Advantage of physical activities for children with special needs. • Strategies to make physical activities assessable for CWSN. 	<ul style="list-style-type: none"> • Make a list of Indian Paralympics winner 	<ul style="list-style-type: none"> • Experiential Learning Procedures : Plan a activities for physically challenged students that how could they performed the task . • Joyful learning Method: make some rules for the game according to the disabled children. • Story telling Activity: tell students some motivational stories of Indian Paralympics winners eg Deepa Malik , Varun Singh Bhati etc.
August Topic Sports and Nutrition	<ul style="list-style-type: none"> • Motor Development & Factor affecting it . • Exercise Guidelines at Different stages of growth & development . 	<ul style="list-style-type: none"> • Students shall go to the ground and do the exercise for curing knock knees , round shoulders , Bow legs & Lordosis. 	<ul style="list-style-type: none"> • Experiential Learning Procedure : Students shall do some exercise & activities for the later growth and Development. • Joyful Learning Methods :

<p>September Topic Test and Measurements in Sports</p>	<ul style="list-style-type: none"> • Common Postural Deformities • Sports Participation of Women in India • Female Athletes Triad. • Motor Fitness Test • Measurements of Cardio Vascular Fitness test. • Rikli & Jones Senior Citizen Fitness Test 	<ul style="list-style-type: none"> • Students shall take senior citizen fitness test of their family members at least any five . • Students shall make a chart of all test item of Barrow fitness test. 	<p>Students should walk on the sand without shoes for curing flat foot deformities & do Hal Asanas for curing Lordosis Deformities.</p> <ul style="list-style-type: none"> • Story telling Activity : Tell students Story of Mary Com , Hema Das & PT Usha their journey to the success . • Experiential Learning Procedure : Students shall do all the test item of motor fitness test. • Joyful Learning Method :Students take senior citizen fitness test of their family member . • Art Integrated Activities : make a chart of all items of khelo India fitness test & general motor fitness test.
<p>October Topic Physiology & Injuries in Sports</p>	<ul style="list-style-type: none"> • Physiological Factor determining components of physical fitness. • Effects of exercise on cardio Respiratory System. • Effects of exercise on Muscular system. • Sports injuries & bone & joint Injuries. • First Aid. • Physiological Changes due to ageing. 	<ul style="list-style-type: none"> • Make a chart of some aerobic exercise and some anaerobic exercises. • Make a first Aid kit write aim and objectives of First Aid kit. 	<ul style="list-style-type: none"> • Experiential Learning Procedure : students do some aerobic & anaerobic exercises in the playground for a week .and then write its effects on muscular & cardio respiratory system. • Joyful learning Method : Students shall go to the school infirmary and explore the components of First Aid Kit and learn how to use it. • Art Integrated activities :

<p>October Topic Biomechanics & Sports</p>	<ul style="list-style-type: none"> • Meaning and Importance of Biomechanics in sports. • Types of movements. • Newton's Law of motion & its Application in sports. • Friction in sports. 	<ul style="list-style-type: none"> • Make a chart of human body movements . • Mentions the uses of Newton's laws of motions in sports . • Write the uses of friction in sports . 	<p>make a chart of common sports injuries and classified them into soft tissue injuries and hard tissue injuries .</p> <ul style="list-style-type: none"> • Experiential Learning Procedure : give some example of sports in which law of motion and its application in sports and role of friction in sports. • Art integrated activities : make a chart of human body movements in supine and prone position. • Joyful learning method : which law of motion used when a soccer kick a football. Why different games need different types of shoes why don't we wear same shoes in all games.
<p>November Topic Psychology & Sports</p>	<ul style="list-style-type: none"> • Personality its definition & types • Motivation & its types & techniques • Exercise Adherence • Strategies for Enhancing adherence to exercise • Meaning concept & types of aggressions in sports. 	<ul style="list-style-type: none"> • Classified the human body according to the Sheldon's classification. • Write the types of motivations techniques. 	<ul style="list-style-type: none"> • Experiential Learning procedure : classified the students into the endomorphic Mesomorphic and Ectomorphic. • Joyful Learning Method : intrinsic motivation motivate students with positive attitude and auto suggestion External motivation motivate students with reward ,audio visual aids and active participation.
<p>November Topic</p>	<ul style="list-style-type: none"> • Strength • Endurance 	<ul style="list-style-type: none"> • Make a weekly program for training . 	<ul style="list-style-type: none"> • Experiential learning Procedure : visit a gym with

Training in Sports.	<ul style="list-style-type: none">• Speed• Flexibility• Coordinative Abilities• Circuit Training.		students and tell them about training for strength ,endurance , speed and flexibility. <ul style="list-style-type: none">• Art Integrated Activities : make a list of some exercise that help in building strength and endurance.
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MOHD ANVAR

PGT. PHYSICAL EDUCATION

DPGS. MORADABAD.

Curriculum Plan of Accountancy
(Session:2024-2025)

Class : XII

Month/Topic	Theory	Numerical /Assignment
April Topic: Volume 1 Chapter:- goodwill	<ul style="list-style-type: none"> • Meaning and Definition of goodwill. • Methods of calculating goodwill • Adjustment of average profit • Adjustment of super profit. • Previous year board questions. 	<ul style="list-style-type: none"> • Numericals on average profit method • Numericals on super profit method • Nuemricals on capitalization methods • Numericals on weighted average profit method.
Topic : Change in profit sharing ratio	<ul style="list-style-type: none"> • Need for change in profit sharing • Sacrificing and gaining ratio • Treatment of goodwill • Treatment of reserve • Treatment of profit and losses • Treatment of workmen compensation reserve • Treatment of IFR • Revaluation account • Partners capital account 	Numericals on sacrificing and gaining ratio <ul style="list-style-type: none"> • Assignments on reserve • Numerical on Revaluation accounts.
MAY Topic: Accounting for fundamental s	<ul style="list-style-type: none"> • Meaning of Partnership • Meaning of partnership deed • Types of partnership • Profit and loss appropriation account • Treatment of interest of capital • Treatment of interest on drawing 	<ul style="list-style-type: none"> • Assignment of partnership, types of partnership • Numericals of past adjustments • Numericals of Profit and loss appropriation account. • Numericals of Interest related topics.

<p>JUNE</p>	<ul style="list-style-type: none"> • Treatment of interest on loan • Partners capital account • Treatment of past adjustment • Meaning and treatment of gurantee of a profit. <p>SUMMER BREAK</p>	
<p>JULY: Topic: Admission of a partner</p>	<ul style="list-style-type: none"> • Meaning of Admission of a partner. • New profit-sharing ratio • Treatment of Goodwill • Treatment of hidden goodwill • Revaluation account • Partner’s capital account • Balance sheet • Adjustment of Capital. 	<ul style="list-style-type: none"> • Assignments on Admission of new partner into partnership • Numerical on revaluation account • Numerical on adjustments of capitals etc.
<p>Topic : Retirement of a partner</p>	<ul style="list-style-type: none"> • What are the reasons of Retirement • Changes in the profit sharing ratio • Treatment of gaining ratio • Revaluation account • Treatment of goodwill • Treatment of partners capital at the time of retirement . • Partners loan account • Adjustment of capital • Journal entries 	<ul style="list-style-type: none"> • Assignment on Retirement of a partner • Numerical on Partners loan account • Numericals on Partners Capital Account • Numericals on Revaluation account etc.

<p>AUGUST Topic : Death of a Partner</p>	<ul style="list-style-type: none"> • Changes at the time of death of a partner • Calculation of profit of deceased partner • Treatment of goodwill • Revaluation account • Changes in profit sharing ratio • Deceased partner capital account • Deceased partner executor account • Journal entries of the chapter. 	<ul style="list-style-type: none"> • Numerical on deceased partner share of profit • Numerical on Partners executor account etc. • Numerical on Treatment of goodwill etc.
<p>Topic:Dissolution of partnership firm.</p>	<ul style="list-style-type: none"> • Meaning of dissolution • Difference between dissolution of partnership and dissolution of firm. • Treatment of realization account • Treatment of partners capital account • Balance sheet • Treatment of memorandum balance sheet • Journal entries of the chapter 	
<p>SEPTEMBER: VOLUME II</p>	<ul style="list-style-type: none"> • Meaning of a company • Types of companies 	<ul style="list-style-type: none"> • Assignment on types of companies

<p>Topic: Issue of shares</p>	<ul style="list-style-type: none"> • Meaning of shares • Types of shares • Treatment of issue of shares • Treatment of Premium • Treatment of calls in arrear • Treatment of Calls in Advance • Meaning of forfeiture of shares • Treatment of Forfeiture of shares. • Re issue of shares • Meaning of Capital reserve • Adjustment of Pro rata. • Excess table • Extract of Balance sheet. 	<ul style="list-style-type: none"> • Assignment on types of shares, issue of shares, forfeiture of shares • Numericals of all topics covered in the chapter.
<p>Topic: Issue of debentures</p>	<ul style="list-style-type: none"> • Meaning of Debentures • Types of Debentures. • Journal entries • Treatment of debentures issued other than cash • Treatment of Debentures issued as collateral security • Treatment of Redemption of Debentures • Treatment of interest on debentures • Treatment of writing of debentures for discount loss etc. 	<ul style="list-style-type: none"> • Worksheet on difference between shares and debentures. • Numericals of all topics covered in the chapter.
<p>OCTOBER :</p>		

<p>Topic: Volume 3 Financial statement</p>	<ul style="list-style-type: none"> • Meaning of financial statement • Understanding of Main head Sub head • Balance sheet of a company • Analysis of profit statement • Understanding heads of income statement • Tools of Financial statement analysis. 	<ul style="list-style-type: none"> • Assignment on financial statement of a company. • Assignment on income statement of a company • Assignment on balance sheet of a company.
<p>Topic: Comparative and common size statement</p>	<ul style="list-style-type: none"> • Treatment of Comparative Balance Sheet • Treatment of Comparative Income Statement • Treatment of Common size Balance sheet • Treatment of Common size income statement. 	
<p>Novemeber Topic: Accounting Ratios</p>	<p>Meaning of accounting ratios</p> <ul style="list-style-type: none"> • Liquidity ratios • Solvency ratios • Profitability ratios • Turnover ratios • Activity ratios 	<ul style="list-style-type: none"> • Assignments on ratio analysis of a company • Numerical on ratio analysis
<p>Topic: Cash flow statement</p>	<ul style="list-style-type: none"> • Meaning of Cash flow statement • Understanding of Cash and Cash equivalent • Cash flow from Operating Activities • Cash flow from Investing Activities • Cash flow from financing activities • Adjustments in cash flow statement 	<ul style="list-style-type: none"> • Assignment on cash flow statement • Numericals pf cash flow statement

DECEMBER		
Month/Topic	Theory	Practical/Project
January		
February		
February		