

BUDHA DAL PUBLIC SCHOOL, SAMANA

Syllabus

Subject- Science

Class:- XII

Subject	Exam	Syllabus
English		Book-I Flamingo (NCERT) Book-II Lost Spring (NCERT)
	Periodic Test-I	1. Ch-1 The Last Lesson 2. Ch-2 Lost Spring 3. P-1 My Mother At Sixty Six 4. Notice writing 5. Letter to the editor
	Periodic Test-II	1. The Third level 2. Tiger king 3. Keeping quiet (poem) 4. Article Writing 5. Invitations & Replies
	Mid Term	1. Ch-1 The Last Lesson 2. Ch-2 Lost Spring 3. Deep Water 4. The Ratiap 5. Indigo 6. Poets and Pancakes (Poetry) My Mother At Sixty Six Keeping Quiet A Thing of Beauty A Roadside stand Vistos The Third level The Tiger King Journey to the end of the earth The Enemy Reading and writing skills * Comprehension * Notice Writing * Invition & Replies * Letter to the editor and Job letter * Article writing

		* Report writing
	Periodic test-III	1. The Interview 2. Going Places 3. A thing of beauty (Poem) 4. Report Writing 5. Job Letter
	Final Term	* The Interview * Going Places * Aunt Jennifer's Tigers (Poem) Vistas * On the face of it * Memories of childhood Reading and writing skills Same as in term-1 Final Term would include Term-1 & Term-II syllabus.
Maths	Periodic Test -I	Chapter 3: Matrices Chapter 4: Determinants
	Periodic Test-II	Chapter 5: Continuity and differentiability Chapter 6: Applications of derivatives
	Mid Term	Chapter 1: Relation and function Chapter 2: Inverse trigonometric function Chapter 3: Matrices Chapter 4: Determinants Chapter 5: Continuity and differentiability Chapter 6: Applications of derivative Chapter 10: Vectors Chapter 12: Linear Programming
	Periodic Test-III	Chapter 7: Integrals Chapter 8: Application of the Integrals
	Final Term	Chapter 7: Integrals Chapter 8: Application of the Integrals Chapter 9: Differential equations Chapter 11: Three- dimensional Geometry Chapter 13: Probability

Business Studies	Periodic Test -I	Unit-1 Nature and significance of management Unit-2 Principles of management
	Periodic Test -II	Unit-3 Business Environment Unit-4 Planning
	Mid Term	Unit-1 Nature and significance of management Unit-2 Principles of management Unit-3 Business Environment Unit-4 Planning Unit-5 Organizing Unit-6 Staffing Unit-11 Marketing Management Project Work
	Periodic Test -III	Unit-7 Directing Unit-9 Financial Management
	Final Term	Unit-1 Nature and significance of management Unit-2 Principles of management Unit-3 Business Environment Unit-4 Planning Unit-5 Organizing Unit-6 Staffing Unit-7 Directing Unit-8 Controlling Unit-9 Financial Markets Unit-10 Financial Markets Unit-11 Marketing Management Unit-12 Consumer protection Project Work
Accountancy	Periodic Test -I	Ch-2 Partnership- Fundamentals
	Periodic Test -II	Ch- 3 Valuation of Goodwill Ch-4 Change in Profit Sharing Ratio Ch- 5 Admission of Partner Ch-6 Retirement of Partner Ch-7 Death of Partner
	Mid Term	Ch-2 Partnership- Fundamentals Ch- 3 Valuation of Goodwill Ch-4 Change in Profit Sharing Ratio Ch- 5 Admission of Partner Ch-6 Retirement of Partner Ch-7 Death of Partner

		Ch-8 Dissolution of Partnership firm Ch-9 Issue of Shares
	Periodic Test -III	Ch- 12 Financial Statements of company Ch-13 Accounting Ratios Ch-14 Cash flow statement
	Final Term	Ch-2 Partnership- Fundamentals Ch- 3 Valuation of Goodwill Ch-4 Change in Profit Sharing Ratio Ch- 5 Admission of Partner Ch-6 Retirement of Partner Ch-7 Death of Partner Ch-8 Dissolution of Partnership firm Ch-9 Issue of Shares Ch- 10 Issue of debentures Ch- 12 Financial Statements of company & Its analysis Ch-13 Accounting Ratios Ch-14 Cash flow statement
Economics	Periodic Test -I	Ch-1 Introduction to Macro Economics Ch-2 Some Basic concepts Ch-5 Money
	Periodic Test -II	Ch- 3 National Income and Its related Aggregates Ch- 4 Methods of Calculating national income Ch-6 Banking Ch-10 Government Budget and the economy Ch- 1 Indian economy on the eve of independence Ch-2 Five years plans
	Mid Term	Ch-1 Introduction to Macro Economics Ch-2 Some Basic concepts Ch-5 Money Ch- 3 National Income and Its related Aggregates Ch- 4 Methods of Calculating national income Ch-6 Banking Ch-10 Government Budget and the economy Ch- 1 Indian economy on the eve of independence Ch-2 Five years plans
	Periodic Test -III	
	Final Term	
Physical Education	Periodic Test-I	Ch-1 Management of Sporting Events Ch-2 Children & Women in Sports
	Periodic Test-II	Ch-3 Yoga as Preventive measures for cifestyle disease

		Ch-4 Physical education & Sports for CWSN
	Mid Term	Ch-1 Management of Sporting Events Ch-2 Children & Women in Sports Ch-3 Yoga as Preventive measures for lifestyle diseases Ch-4 Physical Education & Sports for CWSN Ch-5 Sports & Nutrition
	Periodic Test-III	Ch-5 Sports & Nutrition Ch-6 Test and Measurement in Sports
	Term-II	Ch-6 Test & Measurement in Sports Ch-7 Physiology & Injuries in Sports Ch-8 Biomechanics & Sports Ch-9 Psychology & Sports Ch-10 Training in Sports
I.P	Periodic -I	<p>Ch- Societal Impacts</p> <ul style="list-style-type: none"> • Digital footprint, net and communication etiquettes • Data protection, intellectual property rights (IPR), plagiarism, licencing and copyright • Free and open source software (FOSS) • Cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act. • E-Waste : hazards and management, Awareness about health concerns related to the usage of technology.
	Periodic -II	<p>Unit -2 Database Query using SQL</p> <ul style="list-style-type: none"> • Math functions : POWER(), ROUND(), MOD() • Text functions : UCASE() / UPPER(), LCASE ()/LOWER(), MID () / SUBSTRING () / SUBSTR (), LENGTH (), LEFT(), RIGHT(), INSTR(), LTRIM(), RTRIM(), TRIM() • Day functions : NOW(), DATE(), MONTH(), MONTHNAME(), YEAR(), DAY(), DAYNAME(), Aggregate Functions : MAX () MIN() AVG (), SUM(),,, COUNT(); using COUNT(*) • Querying and manipulating data using Group by, Having, Order by
	Mid Term	<p>Ch- Societal Impacts</p> <ul style="list-style-type: none"> • Digital footprint, net and communication etiquettes • Data protection, intellectual property rights (IPR), plagiarism, licencing and copyright • Free and open source software (FOSS) • Cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act. • E-Waste : hazards and management, Awareness about

		<p>health concerns related to the usage of technology.</p> <p>Unit -2 Database Query using SQL</p> <ul style="list-style-type: none"> • Math functions : POWER(), ROUND(), MOD() • Text functions : UCASE() / UPPER(), LCASE ()/LOWER(), MID () / SUBSTRING () / SUBSTR (), LENGTH (), LEFT(), RIGHT(), INSTR(), LTRIM(), RTRIM(), TRIM() • Day functions : NOW(), DATE(), MONTH(), MONTHNAME(), YEAR(), DAY(), DAYNAME(), Aggregate Functions : MAX () MIN() AVG (), SUM(),,, COUNT(); using COUNT(*) • Querying and manipulating data using Group by, Having, Order by
	<p>Periodic-III</p>	<p>Ch- Data Handling using Pandas and Data Visualization</p> <ul style="list-style-type: none"> • Introduction to Python Libraries-Pandas, Matplotlib • Data Structures in Pandas-Series and data frames. Series-Creation of series from dictionary, scalar value, mathematical operations, series attributes, head and tail function, selection, indexing and slicing • Data Frames – Creation of data frames from dictionary of series, list of dictionaries, text/CSV files, display, iteration. Operations on rows and columns; add (insert/append), select, delete (drop column and row), rename, Head and Tail functions, indexing using labels, Boolean indexing.
	<p>Final Term</p>	<p>Ch- Introduction to Computer Networks</p> <ul style="list-style-type: none"> • Introduction to networks,Types of networks :LAN, MAN, WAN • Network Devices : modem, hub, switch, repeater, router, gateway • Network Topologies : Star, Bus, Tree, Mesh • Introduction to Internet, URL, WWW and its applications-Web, email, chat, VoIP • Website : Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting a website. • Web Browsers : Introduction, commonly used browsers, browser settings, add-ons and plugins, cookies <p>Ch- Data Handling using Pandas and Data Visualization</p>

		<ul style="list-style-type: none"> • Introduction to Python Libraries-Pandas, Matplotlib • Data Structures in Pandas-Series and data frames. Series-Creation of series from dictionary, scalar value, mathematical operations, series attributes, head and tail function, selection, indexing and slicing • Data Frames – Creation of data frames from dictionary of series, list of dictionaries, text/CSV files, display, iteration. Operations on rows and columns; add (insert/append), select, delete (drop column and row), rename, Head and Tail functions, indexing using labels, Boolean indexing. <p>* Syllabus of Term - I is also included in Final Term</p>
Music	Periodic -I	<p>Ch-1 Definition :- Alankar, Meend, Alap, Tana</p> <p>Ch- 3 Sangeet Ratnakar</p> <p>Ch-4 Life sketch Ghulam Ali</p> <p>Ch-5 Taal- Rupak Taal</p> <p>Ch-6 Raag Bhairav</p>
	Periodic -II	<ol style="list-style-type: none"> 1. Definition :- Kan, Alankar, Taan 2. Hisrorical Development of time theory of Raag 3. Life Sketch Faiyas Khan 4. Raag Bagesheri 5. Taal:- Jhaptaal
	Mid Term	<ol style="list-style-type: none"> 1. Definition :- Alankar, Kan, Meend, Alaap, Taan 2. Raag Bhairav and Bageshri 3. Life sketch Faiyaz Khan and Ghulam Ali 4. Taal-Rupak, Jhaptalaal 5. Hisrorical Development of time theory of Raag 6. Sangeet Ratnakar
	Periodic-III	<ol style="list-style-type: none"> 1. Sangeet, Pariajt 2. Brief study murki, Gamak, Khatka 3. Life sketch:- Krishan Rao Shankar 4. Dhamar Taal 5. Tunic of Tanpura
	Final Term	<p>Brief study of the following :- Alankar, Kan , Meend, Khatka, Murki, Gamak.</p> <p>Brief study of the following Gram, Murchhana, Alap,Tana.</p> <p>Historical development of Time Theory of Ragas</p> <p>Detail study of the following Sangeet Ratnakar Sangeet Parija Life sketch and Cotributionof Faiyaz Khan, Bade Ghulam Ali Khan, Krishna Rao,Shankar Pandit</p> <p>Description of Prescribed Talas along with Tala Notation with Thah, Dugun, Tigun and Chaugun</p> <p>Jhaptala Rupak Dhamar</p>

		<p>Tuning of Tanpura Critical study of Prescribed Ragas along with recognizing Ragas from phrases of Swaras and elaborating them excluding Raga Shuddha Sarang Writing in Notation the Compositions of Prescribed Ragas. Bhairav Bageshri Malkauns</p>
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