CLASS XII

SUBJECT: COMPUTER SCIENCE (083) SYLLABUS FOR THE SESSION 2023-2024

PRESCRIBED BOOK: NCERT	
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MONTH	NAME OF THE CHAPTER	PRACTICAL ASSIGNMENTS
APRIL	Umit i: Computational Thinking and	Program based on concepts covered
	Programming - 2	in class XI and functions
	Review of Python Basics	
	Functions	
MAY	Data File Handling in Python	Programs based on Text, CSV and
	Project – Synopsis Presentation	binary files
JULY	Unit 2: Database Management	Python programs based on database
	Database concepts, SQL	connectivity
AUGUST	Stack	Programs based on stacks
SEPTEMBER	Revision, Term Exam	
OCTOBER	Unit 3:	Hots questions based on networking
	Computer Network and data	PPT on networking
	communication	
NOVEMBER	Project Presentation and Revision	Project Presentation
DECEMBER	Preboard	
JANUARY	Revision	

CLASS	- XII
BIOLO	GY

	BIOLOGY				
Month	Unit	Chapter's Name	Practical		
April – May	VI. Sexual Reproduction VII. Genetics and Evolution	Pollination and fertilisation in flowering plants. Development of seeds and fruits. Human reproduction: Reproductive system in male and female, menstrual cycle. Production of gametes, fertilisation, implantation, embryo development, pregnancy and parturation. Reproductive health – birth control, contraception and sexually transmitted diseases. Mendelian inheritance. Chromosome theory of inheritance, deviations from Mendelian ratio (gene interaction- Incomplete dominance, co-dominance, complementary genes, multiple alleles). Sex determination in human beings: XX, XY. Linkage and crossing over.	Study of flowers adapted to pollination by different agencies (wind, insects). Study of the reproductive parts of unisexual and bisexual flowers. Study of pollen germination on a slide and pollen tube growth on the stigma. Study of tissue sections of mammalian testis and ovary to identify stages of gamete development. Study fruits and seeds of any common fruit (e.g. legume) at different stages of development.		
July	VII. Genetics and Evolution	Inheritance pattern of haemophilia and blood groups in human beings. DNA: replication, transcription, translation. Gene expression and regulation. Genome and Human Genome Project. DNA fingerprinting. Evolution: Theories and evidences	Study mitosis in onion root tips and animal cells (grasshopper) and meiosis in onion buds and grasshopper testis (permanent slides). Stain tissue section for nucleic acids (aceto carmine stain). Study Mendelian inheritance using seeds of different colours/sizes of any plant. Prepare pedigree charts for genetic traits such as rolling of tongue, blood groups, widow's peak, colour blindness. Study analogous and homologous organs in various plants and animals		

August	VIII. Biology and Human Welfare IX. Biotechnology and its Applications	Animal husbandry. Basic concepts of immunology, vaccines. Pathogens, Parasites. Plant breeding, tissue culture, food production. Microbes in household food processing, industrial production, sewage treatment and energy generation. Cancer and AIDS. Adolescence and drug/alcohol abuse Recombinant DNA technology. Applications in Health, Agriculture and Industry.	Exercise on controlled pollination – emasculation, tagging and bagging. Identify common disease causing organisms such as <i>Ascaris</i> , <i>Entamoeba</i> , <i>Plasmodium</i> , ring worm. Comment on the symptoms of the diseases that they cause
September	IX. Biotechnology and its Applications	Genetically modified (GM) organisms; biosafety issues. Insulin and Bt cotton. Revision for exams	Stain tissue section for nucleic acids (aceto-carmine staining). Make a model of DNA. Observe the quality and shelf life etc. of fruits/seeds available in the market.
October	X. Ecology and Environment	Ecosystems: Components, types and energy flow. Species, population and community. Ecological adaptations. Centres of diversity and conservation of biodiversity, National parks and sanctuaries. Environmental issue	Collect soils from different sites and study them for texture, moisture content and pH. Correlate with the kinds of plants found in them. Study plants and animals found in dry and aquatic conditions. Collect water from any water bodies around you and study them for pH, clarity, and presence of any living organisms. Study the amount of SPM (suspended particulate matter) in air at two widely separated sites
November		Revision	
December		Revision	
January and February		Revision	·

BASAVA INTERNATIONAL SCHOOL

Geospatial Technology (818) Class XII Syllabus Break-up

Session: 2023-24

Month	Chapter	Topic
April	1.	Remote Sensing
May	1.	Remote Sensing
July	2.	Geographical Information System
August	2.	Geographical Information System
September	Revision & Half-Yearly Examination	
October	3.	Global Positioning System
November	3.	Global Positioning System
December	4.	Trends in Geospatial Technology
January	4.	Trends in Geospatial Technology
February	Revi	ision

BASAVA INTERNATIONAL SCHOOL SYLLABUS BREAKUP SESSION 2023-24

SUBJECT: PHYSICS, CLASS: XII BOOK: NCERT TEXTBOOK TERM – I AND TERM II

S.NO.	MONTH	CHAPTERS – TERM I	PRACTICAL
1	APRIL	Chapter-1: ELECTROSTATIC	
		CHARGES & FIELDS.	
2	MAY	Chapter-2: ELECTRIC POTENTIAL	EXP-1
		& CAPACITOR	EXP-2
Е	JUNE	Chapter-3: CURRENT &	EXP-3
		ELECTRICITY	EXP-4
			EXP5
4	JULY	Chapter-4: MOVING CHARGES &	EXP-7
		MAGNETISM.	
		Chapter-5: Magnetism & Matter.	
		Chapter-6: E.M.I.	
5	AUGUST	Chapter-7: A.C	EXP-8
		Chapter-8: E.M.WAVES.	
6	SEPTEMBER	EXAM (UNIT TEST2)	
7	OCTOBER	REVISION	
8	NOVEMBER	REVISION	
		TERM II	
9	DECEMBER	Chapter-9: RAY OPTICS	EXP-9
		Chapter-10: WAVE OPTICS	EXP-10
		Chapter-11:Dual nature of matter&	
		radiation	
10	JANUARY	Chapter-12: ATOMS	EXP-11
		Chapter-13: NUCLEI	
		Chapter-14: SEMICONDUCTOR	EXP-12
11	FEBRUARY	REVISION	
12	MARCH	REVISION	

CLASS XII

SUBJECT: INFORMATICS PRACTICES (065) SYLLABUS FOR THE SESSION 2023-24 PRESCRIBED BOOKS: NCERT

MONTH	NAME OF THE CHAPTER	PRACTICAL ASSIGNMENTS
APRIL	NUMPY / PANDAS	CREATION OF DATAFRAMES USING VARIOUS METHODS.
		OPERATIONS BASED ON THE LIBRARIES NUMPY AND PANDAS
MAY	CONTINUATION - PANDAS	PROGRAMS BASED ON ALL OPERATIONS BASED ON PANDAS
JULY	MATPLOTLIB	PROGRAMS BASED ON DATA ANALYSIS USING MATPLOTLIB
	MYSQL	QUERIES BASED ON EQUI JOIN CONCEPT OF MYSQL
	PROJECT – SYNOPSIS PRESENTATION	
AUGUST	INTRODUCTION TO COMPUTER NETWORKS	HOTS QUESTIONS BASED ON NETWORKING CONCEPTS
SEPTEMBER	TERM 1 EXAM	
OCTOBER	SOCIETAL IMPACTS	
NOVEMBER	REVISION PANDAS/MYSQL	
DECEMBER	PREBOARD	
JANUARY/FEB MID	REVISION ON TOPICS OF CONCERN	

SYLLABUS BREAKUP 2023-24 CLASS XII

SUBJECT: POLITICAL SCIENCE

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MONTH	NAME OF THE CHAPTER
APRIL	The end of bipolarity
	US Hegemony in world politics,
	Alternative center of power.
May	Contemporary South Asia
	International organization
July	Challenges of nation building
	Party system in India
	Politics of Planned development.
	India's External relation
August	Challenges to the Congress system.
	Revision for term 1
September	Term 1 exam.
October	Crisis of the democratic order.
	International organisation
	Security in contemporary world
November	Environment and natural resources
	Globalisation
	Regional Aspiration
	Recent development in Indian politics
December	Preboard

	BA	SAVA INTERNATIONAL SCHOOL		
		SESSION: 2023-24		
		SYLLABUS BREAK UP		
COMMERCE XII				
		ACCOUNTANCY		
A mril 2022		PART B – FINANCIAL STATEMENT ANALYSIS		
April 2023	UNIT 3	Financial Statement of a Company		
	UNII 3	Financial Statement Analysis		
		Accounting for Debenture		
		Comparative and Common Size Statement		
May 2023	UNIT 3	Ratio Analysis		
111dy 2023	UNIT 4	Cash Flow Statement		
	OTVIT 4	PART A- ACCOUNTING FOR PARTNERSHIP FIRMS AND		
	UNIT 1	COMPANIES		
		Fundamental of partnership firm		
July 2023	UNIT 1	Goodwill- Meaning, nature and valuation.		
July 2025		Accounting treatment for Change in profit-sharing ratio		
		Admission of a partner		
August 2023	UNIT 1	Accounting treatment for		
1145451 2023		Retirement & Death of a partner		
		Dissolutions of a Partnership Firm		
September 2023		Revision		
septemeer 2020		Half yearly Examinaion		
October 2023	UNIT 2	Company Accounts- Issue of Share capital		
November 2023	UNIT 2	Company Accounts- Issue of Debentures		
December 2023	01(11.2	REVISION		
January 2024		PREBOARD		
controlly 202:	1	BUSINESS STUDIES		
April 2023		PART B – BUSINESS FINANCE & MARKETING		
7 ipin 2023	UNIT 11			
		Marketing PART A - PRINCIPLES & FUNCTIONS		
	UNIT 1			
	UNIT 2	MANAGEMENT		
	01(11.2	Nature & significance of Management		
7.5 2022	7.77.77	Principles of Management		
May 2023	UNIT 3	Business Environment		
	UNIT 4	Planning		
July 2023	UNIT 5	Organising		
	UNIT 6	Staffing		
August 2023	UNIT 7	Directing		
g 1 2022	UNIT 8	Controlling		
September 2023		REVISION		
0 1 2022		HALF YEARLY EXAMINATION		
October 2023	I IN HER O	PART B – BUSINESS FINANCE & MARKETING		
	UNIT 9	Financial Management		
	UNIT 10	Financial Market		
November 2023	UNIT 12	Consumer Protection		
December 2023		REVISION		
		PREBOARD		
January 2024		PREBOARD		

BASAVA INTERNATIONAL SCHOOL SYLLABUS-ECONOMICS CLASS-XII (2023-2024)

MACRO ECONOMICS

S. NO.	MONTH	UNIT	TOPIC
1.	APRIL	UNIT-1	NATIONAL INCOME
2.	MAY	UNIT-1	NATIONAL INCOME(Contd.)
3.	JULY	UNIT-2	DETERMINATION OF INCOME AND EMPLOYMENT
4.	AUGUST	UNIT-2	DETERMINATION OF INCOME AND EMPLOYMENT
5.	SEPTEMBER	UNIT-3	MONEY AND BANKING
6.	OCTOBER	UNIT-4	GOVERNMENT BUDGET AND THE ECONOMY
7.	NOVEMBER	UNIT-5	BALANCE OF PAYMENTS & FOREIGN EXCHANGE
8.	DECEMBER		PREBOARD EXAMINATION
9.	JANUARY		REVISION
10.	FEBRUARY		REVISION
11.	MARCH		FINAL BOARD EXAMINATION

SYLLABUS-INDIAN ECONOMIC DEVELOPMENT CLASS-XII (2023-2024)

S. NO.	MONTH	CH. NO.	TOPIC
1.	APRIL	1	Indian economy on the eve of independence
		2	Five year plans in India: Goals and achievements
2.	MAY	3	Features ,problems and policies of agriculture
3.	JULY	4	Strategy of industrial growth(1947-1990)
		5	India's foreign trade
4.	AUGUST	6	Economic reforms since 1991
		7	Poverty
5.	SEPTEMBER	8	Human capital formation
6.	OCTOBER	9	Rural develpoment
		10	Employment and unemployment
7.	NOVEMBER	11	Infrastructure
		12	Environment and sustainable development
8.	DECEMBER	13	Development experience of India ,Pakistan and china-a comparative study
9.	JANUARY		REVISION
10.	FEBRUARY		REVISION

PROJECT TOPICS IN ECONOMICS

- **1.** Non-Performing Asset and Central Bank's procedures to recover it.
- 2. Imperfect competition and Market failure.
- **3.** Theories of Long run supply curve (Not recommended if you aren't thoroughly versed in Macroeconomics basics)
- **4.** Central Bank's functions with special reference to RBI.
- **5.** RBI's policies to curb inflation and appreciate currency value.
- **6.** Causes and potential Solutions for Adverse Balance of payments.
- 7. Derivation of Demand curve from Hicksian and Slutsky Income and Substitution effects.
- **8.** Shift of India's growth parameters from agricultural to manufacturing and service sectors over 50 years period.
- **9.** Theories of utility (Ordinal and cardinal Approach) **10.** Growth of India's automobile sector in the last 20
- years with special reference to FDI.
- **11.** Banking Sector reforms with special reference to Post Reform period and recommendations by Narasimham Committee.
- **12.** Tax reforms and basic principles of taxation/Double taxation on Savings (Requires thorough research).
- **13.** Import Substitution v/s export promotion.
- **14.** Impact of macroeconomic variables on values of currencies.

BASAVA INTERNATIONAL SCHOOL CLASS: XII

SUBJECT: MATHEMATICS MONTHWISE SYLLABUS BREAKUP

SESSION:2023-24 COURSE BOOK: NCERT

Month	Chapter No.	Topic
	CH-1	Relation and Function
April	Ch-3	Matrices,
	Ch – 4	Determinant
	Ch – 2	and Inverse Trigonometry
Mass	C1- 5	Differentiation
May	Ch – 5	Differentiation,
	Ch – 6	Continuity
		And
		Application of Derivatives
July	Ch – 6	Application of derivatives cont.
	Ch – 7	Integral {Indefinite and Definite}
	Ch – 8	Application of Integrals
August	Ch – 9	Differential Equation
Tugust		Revision
September		Revision / Half yearly
October	Ch – 10	Vector,
	Ch – 11	3D
	Ch – 12	And LPP
November	Ch – 13	Probability
	Ch – 1	Relation and Function
	CII — I	Relation and Function
December		Pre Boards

CLASS XII

SUBJECT: PSYCHOLOGY

Syllabus Break up

Academic Session 2023-24

S.no	Month	Chapters	Practical/Projects
1	April	Variations in Psychological attributes	Practical 1
2	May	Self and Personality	Introduction to Case study
3	July	Meeting life challenges Psychological disorders	Practical 2
4	August	Psychological disorders (continued) Therapeutic Approaches	Practical 3
5	September	Attitude and Social cognition	Practical 4
6	October	Attitude and Social cognition (continued) Social influences and Group process	Practical 5
7	November	Psychology and Life Developing Psychological Skills	Case study Submission
8	December	Revision	

BASAVA INTERNATIONAL SCHOOL

CLASS XII- PHYSICAL EDUCATION

SESSION (2023-24)

BOOK PRESCRIBED: SARASWATI (HEALTH & PHYSICAL EDUCATION)

MONTH	TOPIC
APRIL	❖ Management of Sporting Events.
	❖ Children & Women in Sports.
MAY	❖ Yoga as Preventive Measure for Lifestyle
	Disease.
	❖ Physical Education and Sports for CWSN
	(Children with Special Needs- Divyang)
JULY	❖ Sports & Nutrition.
	Test & Measurement in Sports.
AUGUST	❖ Test & Measurement in Sports
	❖ Revision
SEPTEMBER	❖ Term1 Examination
OCTOBER	❖ Physiology & Injuries in Sports.
	❖ Biomechanics & Sports.
NOVEMBER	❖ Psychology & Sports.
	❖ Training in Sports.
DECEMBER	❖ Pre-Board
JANUARY &	❖ Revision & Practical
FEBRUARY	
**	❖ Practical Preparation will keep going
	throughout the year.

BASAVA INTERNATIONAL SCHOOL SPLIT UP SYLLABUS FOR CLASS XII (2023-2024) SUBJECT- ENGLISH

TEXTBOOKS: FLAMINGO (Textbook)

VISTAS (Supplementary Reader)

MONTH	DAYS	WRITING SKILLS	LESSON
APRIL	19	Notice Article Notice	1.The Last Lesson (F) 2. My Mother at Sixty –six (Poem) 3. The Third Level (V)
MAY	21	Formal Invites / Replies Informal invites and replies	4. Lost Spring (F) 5. The Tiger King (V) 6. Journey to the End of the Earth 7. Deep Water
JULY	22	Letter to Editor	8 Keeping Quiet (Poem) 9.The Enemy (V) 10. The Rattrap
AUGUST	23	Job application	11. A Thing of Beauty (Poem) 12. Indigo 13. On the Face of It (V)
SEPTEMBER	22		Half yearly examinations revision
OCTOBER	21	Report writing	14.Aunt Jennifer's Tigers (Poem) 15Poets and Pancakes(F)

NOVEMBER	20	Project review Viva	16. The Interview(F) 17A Roadside Stand (P) 18 Going Places 19. Memories of Childhood (V)
DECEMBER	23	Comprehension Practice	Pre Board Examination
			Revision /Board Practical
JANUARY	14		
FEBRUARY	23		PL P. 15
			Board Examination

FINE ARTS CLASS - XII

(THEORY) 30 MARKS

TERM-I

UNIT I

(a) The Rajasthani School:

- 1. Origin and Development
- 2. Sub-Schools-Mewar, Bundi, Jodhpur, Bikaner, Kishangarh and Jaipur
- 3. Main features of the Rajasthani School

4. Appreciation of the following Rajasthani paintings

TITLE	PAINTER	SUB-SCHOOL
Maru-Ragini	Sahibdin	Mewar
Chaugan Players	Dana	Jodhpur
Krishna on swing	Nuruddin	Bikaner
Radha (Bani- Thani)	Nihal Chand	Kishangarh
Bharat Meets Rama at Chitrakuta	Guman	Jaipur

(b) The Pahari School:

- 1. Origin and development
- 2. Sub-Schools-Basohli, Guler, Kangra, Chamba and Garhwal
- 3. Main features of the PahariSchool

4. Appreciation of the following Pahari paintings:

TITLE	PAINTER	SUB-SCHOOL
Krishna with Gopis	Manaku	Basohli
Nand, Yashoda and Krishna with Kinsmen Going to Vrindavana	Nainsukh	Kangra

UNIT II

The Mughal and Deccan Schools of Miniature Painting (a) The Mughal School

- 1. Origin and development
- 2. Main features of the Mughal School

3. Appreciation of the following Mughal Paintings

TITLE	PAINTER
Krishna Lifting Mount Govardhana	Miskin
Falcon on a Bird-Rest	Ustad Mansoor
Kabir and Raidas	Ustad Faquirullah Khan
Marriage Procession of Dara Shukoh	Haji Madni

(b) The Deccan School

- 1. Origin and development
- 2. Main features of the Deccan School
- 3. Appreciation of the following Deccan paintings:

TITLE	PAINTER	SUB-SCHOOL
Hazrat Nizamuddin Auliya and Amir Khusro	Unknown	Hyderabad
Chand Bibi Playing Polo (Chaugan)	Unknown	Gol Konda

TERM-II

UNIT III

The Bengal School of Painting and

- (i) National Flag of India and the Symbolic significance of its forms and the colours.
- (ii) Introduction to the Bengal School of Painting
- (i) Origin and development of the Bengal School of Painting
- (ii) Main features of the Bengal School of Painting

Appreciation of the following paintings of the Bengal school:

- (i) Journey's End Abanindranath Tagore
- (ii) Shiv and Sati- Nandla Bose
- (iv) Radhika M.A.R.Chughtai
- (v) Meghdoot Ram Gopal Vijaivargiya

Contribution of Indian artists in the struggle for National FreedomMovement.

UNIT IV

The Modern Trends in Indian Art

Indian National Flag and the Modern Trends in Indian Art Appreciation of the following contemporary (Modern) Indian Art

Paintings:

- (i) Rama Vanquishing the Pride of the Ocean Raja Ravi Varma
- (ii) Mother and child Jamini Roy
- (iii) Haldi Grinders Amrita Sher Gill
- (iv) Mother Teresa M.F.Husain

Graphic - prints:

- (i) Children Somnath Hore
- (ii) Devi Jyoti Bhatt
- (iii) Of Walls AnupamSud
- (iv)Man, Woman and Tree K. Laxma Goud

Sculptures:

- (i) Triumph of Labour D. P. Roychowdhury
- (ii) Santhal Family Ramkinkar Vaij
- (iii) Cries Un heard Amar Nath Sehgal
- (iv) Ganesha P.V. Janaki Ram

(PRACTICAL AND INTERNAL ASSESSMENT) 70 MARKS

Nature and Object Study (25 MARKS)

Studies on the basis of exercises done in class XI with two or three objects and two draperies (in different colours) for background and foreground. Exercises in pencil with light and shade and in full colour from a fixed point of view.

Painting Composition (25 MARKS)

Imaginative painting based on subjects from Life and Nature in water and poster colours with colour values

Portfolio Assessment (20 Marks)

Still Life Studies - 10 Composition - 10

CLASS - XII CHEMISTRY

SESSION: 2023-2024			
MONTH	CHAPTER NAME	PRACTICALS	
APRIL	REVISION CLASS XIth CONCEPTS RELATED TO CLASS XII SYLLABUS TO BE COVERED		
MAY	. Unit 2: Solutions Unit 1: Solid state Unit 10: Haloalkanes & Haloarenes	Determination of concentration/molarity of KMnO4 solution by titrating it against a standard solution of Ferrous Ammonium Sulphate Determination of concentration/molarity of KMnO4 solution by titrating it against a standard solution ofoxalic acid	
July	Unit 10: Haloalkanes & Haloarenes Unit 11: Alcohols, Phenols & Ethers Unit 7: p-Block Elements	Determination of one cation & one anion in a given salt	
August	Unit 7: p-Block Elements Unit 3: Electrochemistry Unit 4: Chemical Kinetics	Tests for the functional groups present in organic compounds	
September	Unit 14: Biomolecules Unit 5: Surface Chemistry	Tests for the functional groups present in organic compounds	

October	Unit 12: Aldehydes, Ketones & Carboxylic acids Unit 8:d- & f- Block Elements Unit 13: Amines	Determination of one cation & one anion in a given salt
November	Unit 9: Coordination Compounds Revision	Determination of concentration/molarity of KMnO4 solution by titrating it against a standard solution of Ferrous Ammonium Sulphate Determination of concentration/molarity of KMnO4 solution by titrating it against a standard solution ofoxalic acid
December	Revision	
January and February	Revision	•