CLASS XI

SUBJECT: COMPUTER SCIENCE (083)

SESSION 2023-2024

PRESCRIBED	ВООК	:NCERT
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MONTH	NAME OF THE CHAPTER	PRACTICAL ASSIGNMENTS
APRIL	Unit II: Computational Thinking and Programming – 1 INTRODUCTION TO PROBLEM SOLVING GETTING STARTED WITH PYTHON, FLOW OF CONTROL	PROGRAMS BASED ON CONDITIONAL CONSTRUCTS AND LOOPS
MAY	FUNCTIONS	PROGRAMS BASED ON FUNCTIONS
JULY	STRINGS. LISTS	PROGRAMS BASED ON LISTS AND STRINGS METHODS
AUGUST	TUPLES AND DICTIONARIES	PROGRAMS BASED ON TUPLES AND DICTIONARY METHODS
SEPTEMBER	REVISION, TERM EXAM	
OCTOBER	Unit III: Society, Law and Ethics SOCIETAL IMPACT PROJECT-SYNOPSIS PRESENTATION	PPT ON SOCIETAL IMPACT
NOVEMBER	Unit I: Computer Systems and Organization EMERGING TRENDS COMPUTER SYSTEM	HOTS QUESTIONS BASED ON THE TOPICS COVERED
DECEMBER	ENCODING SCHEMES AND NUMBER SYSTEM	ASSIGNMENTS ON NUMBER SYSTEMS
JANUARY	PROJECT, REVISION	PROJECT PRESENTATION IN CLASS
FEBRUARY	REVISION	

CLASS - XI BIOLOGY			
Month	Unit	Chapter name	Practical
APRIL/ MAY	I Diversity in the living world	Living World Biological classification Rlant kingdom Animal kingdom	 Study the large variation of livi organisms in the neighbourhood, not their behaviour, characteristics, and categorize them into groups based on some common features. Study preserved specimens, at less one representative of each group, understand correlations between the characteristics of organisms at their systematic position. Learn how to collect, press, dry a prepare plant specimens with laber.

APRIL/ MAY	in the living world	Living World Biological classification Plant kingdom Animal kingdom	 Study the large variation of living organisms in the neighbourhood, note their behaviour, characteristics, and categorize them into groups based on some common features. Study preserved specimens, at least one representative of each group, to understand correlations between the characteristics of organisms and their systematic position. Learn how to collect, press, dry and prepare plant specimens with labels (common and weedy species) for the herbarium/ museum.
JULY/ AUGUST	II Structural organization in plants and animals	5. Morphology of flowering plants 6. Anatomy of flowering plants 7. Structural organization in Animals Revision	 Study different types of tissues in plants and animals Prepare and study transverse section of roots and stems to identify different tissues. Study of locally available plants and animals for their external morphology. Description of three common flowering plants in semi-technical terms (Solanaceae, Fabaceae and Liliaceae) and try to group them based on flower characteristics. Study the anatomy of roots, stems (through hand sections) and leaves (through permanent slides). Study of one vertebrate and one invertebrate for their morphology and internal organization (through charts and models).
SEPTEMBER		Revision	
OCTOBER	III Cell	8. Cell: The unit of life9. Biomolecules10.Cell cycle and cell division	 Observe suitable animal and plant cells (sections and smears) to highlight similarities and differences. Study of mitosis in onion root tip and animal cells (permanent slides).

NOVEMBER	IV Plant physiology	 11. Transport in plants 12. Mineral nutrition 13. Photosynthesis in Higher plants 14. Respiration in plants 15. Plant growth and development 	 Demonstrate requirement of chlorophyll and light for photosynthesis. Separate plant pigments using paper chromatography. Study rate of respiration in different plant materials. Demonstrate anaerobic respiration.
DECEMBER	V Animal physiology	16. Digestive system 17. respiratory system 18. circulatory system 19. Excretory products and their elimination	 Study transpiration in plants using Cobalt Chloride method. Study imbibition of water by raisins
JANUARY	V Animal physiology	20. movement and locomotion 21. nervous system 22. control and coordination	Study the presence of carbohydrates, fats and proteins in the food samples.
FEBRUARY		Revision	

BASAVA INTERNATIONAL SCHOOL

Geospatial Technology (818) Class XI Syllabus Break-up

Session: 2023-24

Month	Chapter	Topic
April	1.	Geospatial Overview
May	2.	Mapping & Cartography
July	2.	Mapping & Cartography
August	3.	Remote Sensing
September	Revision & Half-Y	early Examination
October	4.	Geographical Information System
November	4.	Geographical Information System
December	5.	Ground Positioning System
January	5.	Ground Positioning System
February	Rev	ision

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

MONTH	NAME OF THE CHAPTER	PRACTICAL ASSIGNMENTS
APRIL	INTRODUCTION TO COMPUTER SYSTEMS	PPT ON THE TOPIC
	INTRODUCTION TO PYTHON	SIMPLE PROGRAMS BASED ON CONCEPTS TAUGHT
MAY	CONDITIONAL STATEMENT	PROGRAMS BASED ON COND ST (IF STATEMENT)
	ITERATION STATEMENT	PROGRAMS BASED ON ITERATION ST (FOR / WHILE STATEMENT)
JULY	LIST / DICTIONARY	PROGRAMS BASED ON USAGE OF LIST/ DICTIONARY.
		PROGRAMS BASED ON VARIOUS METHODS OF LISTS /STRING
AUGUST	EMERGING TRENDS	QUESTIONS BASED ON EMERRGING TRENDS
SEPTEMBER	TERM 1 EXAM	
OCTOBER	MYSQL	QUERIES BASED ON PROBLEMS GIVEN
NOVEMBER	MYSQL FUNCTIONS	USAGE AND PURPOSE OF MYSQL FUNCTIONS.
DECEMBER	COMPLETION OF PRACTICAL FILES	
JANUARY/FEB MID	REVISION ON TOPICS OF CONCERN	

SYLLABUS SUBJECT: POLITICAL SCIENCE(2023-24)

CLASS: XI

SNO	MONTH	CHAPTER
	April/May	POLITICAL THEORY
		FREEDOM
		EQUALITY
		SOCIAL JUSTICE
	july	RIGHTS
		CONSTITUTION WHY AND HOW?
		ELECTION AND REPRESENTATION
		EXECUTIVE
	August	CITIZENSHIP
		NATIONALISM
		LEGISTURE
		JUDICIARY
	September	SECULARISM
		PEACE
		FEDERALISM
	October	DEVELOPMENT
		LOCAL GOVERNMENT
	November	CONSTITUTION AS A LIVING DOCUMENT
	December	THE PHILOSOPHY OF THE CONSTITUTION
	Jan/ Feb	REVISION

CLASS - XI CHEMISTRY

SESSION: 2023-202	44
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MONTH	CHAPTER'S NAME	PRACTICALS
JApril to May	Unit-1:Some Basic Concepts of Chemistry Unit-2:- Structure of Atom Unit-3: Classification of Elements & Periodicity in Properties	Prac:Briefing of crystallization (i)Determine the pH values of NaOH at different strengths using pH papers (ii)To study the change in pH of acetic acid solution by addition of sodium acetate Prepare M/10 sodium carbonate solution
July to August	Unit-4:Chemical Bonding & Molecular Structure Unit12:-Organic Chemistry:Some Basic Principles & Techniques Unit 9:-Hydrogen	Prepare M/10 oxalic acid solution Detailed briefing of Qualitative Salt Analysis
September	Revision	
October	Unit-5:States of Matter Unit:-6:Chemical Thermodynamics	Detailed briefing of volumetric titration, its principle and procedure Determine the strength of the given sodium hydroxide solution. You are provided with M/20 oxalic acid solution
November	Unit7:-Equilibrium Unit13:-Hydrocarbons	To analyse the given salt for the acidic & basic radicals
December	Unit13:-Hydrocarbons Unit10:-Some s-block Elements	To analyse the given salt for the acidic & basic radicals
January	Unit11:-Some p-block Elements Revision	
February	Revision	

BASAVA INTERNATIONAL SCHOOL Syllabus (split-up) for session 2023-24 Subject- PHYSICS Class- XI Term-1

MONTH	UNIT/CHAPTER NO.	NAME OF THE CHAPTER
April-May	1-2	PHYSICSL WORLD(1), UNITS AND MEASUREMENT(2)
June	3	MOTION IN A STARIGHT LINE
July	4-5	MOTION IN A PALNE(4)- LAWS OF MOTION(5)
August	6	WORK, ENERGY, POWER
September	Revision and September exams	
October	7	SYSTEM OF PARTICLES & ROTATIONAL MOTION
	8	GRAVITAION

Term-2

MONTH	UNIT/CHAPTER NO.	NAME OF THE CHAPTER
November	9-10	Mechanical properties of solid(9)—fluids(10)
	11	Thermal properties of matter
December	12	Thermodynamics
lanuary	13	Kinetic theory of gases
January	14	Oscillations
February	15	Waves.
March	Revision and exams	

BASAVA INTERNATIONAL SCHOOL SYLLABUS-STATISTICS CLASS-XI (2023-2024)

S. NO.	MONTH	UNIT	TOPIC
1.	APRIL	UNIT-1	INDRODUCTORY CONCEPTS
2.	MAY	UNIT-2	COLLECTION ,ORGANISATION AND PRESENTATION OF DATA: (COLLECTION OF DATA)
3.	JULY	UNIT-2	COLLECTION ,ORGANISATION AND PRESENTATION OF DATA: (COLLECTION OF DATA(contd.),ORGANISATION OF DATA) PROJECT-COLLECT DATA ON DIFFERENT TOPICS AND FIND CORRELATION STANDARD DEVIATION AND VARIATION
4.	AUGUST	UNIT-2	COLLECTION ,ORGANISATION AND PRESENTATION OF DATA: (TABULAR PRESENTATION OF DATA AND DIAGRAMMATIC PRESENTATION OF DATA)
5.	SEPTEMBER	UNIT-3	MEASURES OF CENTRAL TENDENCY: (MEAN)
6.	OCTOBER	UNIT-3	MEASURES OF CENTRAL TENDENCY: (MEDIAN AND MODE)
7.	NOVEMBER	UNIT-3	MEASURES OF DISPERSION: (RANGE AND QUARTILE DEVIATION)
8.	DECEMBER	UNIT-3	MEASURES OF DISPERSION: (MEAN DEVIATION AND STANDARD DEVIATION)
9.	JANUARY	UNIT-3	MEASURES OF CORRELATION
10.	FEBRUARY	UNIT-3	INDEX NUMBERS AND REVISION

MICRO ECONOMICS CLASS-XI (2023-2024)

S. NO.	MONTH	UNIT	TOPIC
1.	APRIL	UNIT -1	INTRODUCTORY CONCEPTS
			CONSUMER'S EQUILIBRIUM AND
		UNIT-2	DEMAND: (CONSUMER'S EQUILIBRIUM)
2.	MAY	UNIT-2	CONSUMER,S EQUILIBRIUM AND
			DEMAND: (DEMAND AND ITS ELASTICITY)
3.	JULY	UNIT-3	PRODUCER BEHAVIOUR AND SUPPLY:
			(PRODUCTION FUNCTION
			SUPPLY AND ITS ELASTICITY)
4.	AUGUST	UNIT-3	COST
5.	SEPTEMBER	UNIT-3	REVENUE
6.	OCTOBER	UNIT-4	MARKETS
7.	NOVEMBER	UNIT-4	MARKET'S EQUILIBRIUM
8.	DECEMBER	UNIT 4	APPLICATION OF MARKET AND ITS
0.	DECEMBER	01111 4	EQUILIBRIUM
9.	JANUARY		REVISION
10.	FEBRUARY		REVISION
11.	MARCH		ANNUAL EXAMINATION

BASAVA INTERNATIONAL SCHOOL CLASS: XI

SUBJECT: MATHEMATICS MONTHWISE SYLLABUS BREAKUP

SESSION: 2023-24 COURSE BOOK: NCERT

Month	Chapter No.	Topic	
April	Ch − 1	Sets,	
May	Ch-3	Trigonometry	
	Ch – 4	and Mathematical Induction	
July	Ch – 2	Relation and Function,	
	Ch-5	Complex Number	
	Ch – 6	and Inequality	
August	Ch – 7	Permutation and Combination	
	Ch – 8	And Binomial Expansion	
September		Revision / Half yearly	
October	Ch – 9	Sequence and Series	
		Straight lines,	
	Ch – 10	Conic Section	
	Ch – 11	And 3D	
	Ch – 12		
November	Ch – 12	3D	
		Limits and derivatives	
	Ch – 13		
December	Ch – 14	Mathematical Reasoning	
	Ch – 15	Statistics	
January	Ch – 16	Probability	

CLASS XI

SUBJECT: PSYCHOLOGY

Syllabus break up

Academic Session 2023-24

S.no	Month	Chapters	Practical/Projects
1	April	What is Psychology?	
2	May	Methods of Enquiry in Psychology	
3	July	Human Development	Project Submission
4	August	Learning	Practical 1
5	September	The Bases of Human Behaviour	
6	October	The Bases of Human Behaviour (continued) Sensory, Attentional and Perceptual Processes	
7	November	Human Memory	Practical 2
8	December	Thinking	
9	January	Motivation and Emotion	
10	February	Revision	

BASAVA INTERNATIONAL SCHOOL SESSION: 2023-24 SYLLABUS BREAK UP

COMMERCE XI

MONTH	UNIT	CONTENT	
1/101/11	01,122	ACCOUNTANCY	
April 2023	UNIT 1	Introduction to Accounting	
1		Accounting Terminologies	
		Theory based of accounting.	
May 2023	UNIT 1 &	Bases of Accounting	
11149 2025	2	Accounting Equation	
	-	Rules of Debit & Credit	
		Source Documents & Voucher	
		Goods & service Tax (concept)	
July 2023	UNIT 2	Books of Original Entry-Journal	
		Subsidiary Books- Cash Book, Sales Book, Purchase Book, Purchase	
		Return Book, and Sales Return Book	
		Ledger- format, posting from Journal and Subsidiary book.	
		Trial Balance	
August 2023	UNIT 2	Bank Reconciliation Statement	
		Reserves & Provisions	
		Depreciation	
September 2023		REVISION	
		HALFYEARLY EXAMINATION	
October 2023	UNIT 2	Accounting for Bills of Exchange	
		Rectification of Errors	
November 2023	UNIT 3	Financial Statements of Sole Proprietorship from Complete and	
		Incomplete Records	
December 2023	UNIT 3	Computers in Accounting	
		REVISION	
January 2024		REVISION	
		BUSINESS STUDIES	
April 2023	UNIT 1	Nature and Purpose of Business	
	UNIT 2	Forms of Business Organizations	
May 2023	UNIT 3	Public, Private and Global Enterprises	
July 2023	UNIT 4	Business Services	
	UNIT 5	Emerging modes of Business	
August 2023	UNIT 6	Social Responsibility of Business & Business Ethics	
September 2023 REVISION			
		HALFYEARLY EXAMINATION	
October 2023	UNIT 7	Sources of Business Finance	
November 2023	UNIT 8	Small Business & Entrepreneurship Development	
December 2023	UNIT 9	Chapter 9: Internal Trade	
	UNIT 10	Chapter 10: International Business	
January 2024		REVISION	

CLASS XI- PHYSICAL EDUCATION

SESSION (2023-24)

BOOK PRESCRIBED: SARASWATI (HEALTH & PHYSICAL EDUCATION)

MONTH	TOPIC	
APRIL	❖ Changing Trends & Career in PE	
MAY	❖ OLYMPISM	
JULY	♦ YOGA	
	Physical Education & Sports for CWSN (Children with Special Needs- Divyang)	
AUGUST	Physical Fitness, Health & Wellness.Test, Measurement & Evaluation.	
SEPTEMBER	❖ Term1 Exam	
OCTOBER	 Fundamentals of Anatomy, Physiology in Sports. Fundamentals of Kinesiology & Bio- Mechanics in Sports. 	
NOVEMBER	 ❖ Psychology & Sports ❖ Training & Doping in Sports 	
DECEMBER	* Revision	
JANUARY & FEBRUARY	❖ Revision & Practical	
**	Practical Preparation will keep going throughout the year.	

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

TEXTBOOKS: HORNBILL

SNAPSHOTS

MONTH	Days	Writing skill	LESSON
APRIL	19	Speech	H1. The Portrait of a Lady
MAY	21	Debate Poster ASL speaking skills	P2. A Photograph S3.The Summer of the Beautiful White Horse
JULY	22	Classified Advertisements	S4. The Address H5. We're Not Afraid to Die P6. The Laburnum Top
AUGUST	23	Note making Project and Viva	H7. Discovering Tut P8. The Voice of the Rain
SEPTEMBER	22		Revision HALF YEARLY EXAMINATION

OCTOBER	21	Sentence transformation revision	P9. Childhood S10. Mother's Day
NOVEMBER	20	Project review	P11. Father to Son H12. The Adventure
DECEMBER	23	Viva	S13 The Tale of Melon City S14. Birth
JANUARY	14	ASL Speaking skills	H15. Silk Road
FEBRUARY	23	Revision/Examinations	ASL and revision
March	24		Annual Examination

FINE ARTS CLASS - XI

(THEORY) 30 MARKS

TERM-I

UNIT I

A. Pre-Historic Rock-Paintings Introduction

- 1) Period and Location
- 2) Study and appreciation of following Pre-historic paintings:
- i. Wizard's Dance, Bhimbethaka

B. Art of Indus Valley Introduction

- 1) Period and Location.
- 2) Extension: In about 1500 miles. i. Harappa & Mohenjo-daro (Now in Pakistan) ii. Ropar, Lothal, Rangpur, Alamgirpur, Kali Bangan, Banawali and Dholavira (in India)

Study and appreciation of following: Sculptures and Terra cottas:

- i. Dancing girl (Mohenjodaro)Bronze,
- ii. Male Torso(Harappa) Red lime Stone,
- iii. Mother Goddess (Mohenjo-daro) terracotta,

Study and appreciation of following Seal:

Bull (Mohenjo-daro) Stone (Steatite),

Decoration on earthen wares: Painted earthen-ware (Jar)Mohenjo-daro (Collection: National Museum, New Delhi).

Unit II

Temple Sculpture, Bronzes and artistic aspects of Indo-Islamic Architecture

- 1) Introduction to Temple Sculpture
- 2) Study and appreciation of the following Temple-Sculptures:
- i. Descent of Ganga (Pallava period, Mahabalipuram, Tamil Nadu)
- ii. Trimuti (Elephanta, Maharashtra)
- iii. Lakshmi Narayana (Kandariya Mahadev Temple) (Chandela period, Khajuraho, Madhya Pradesh)
- iv. Cymbal Player, Sun Temple (Ganga Dynasty, Konark, Orrisa)
- v. Mother and Child (Vimal-Shah Temple, Solanki Dynasty, Dilwara, Mount Abu; Rajasthan)

TERM-II

Unit-III

Bronzes and Artistic aspects of Indo-Islamic architecture

- 1. Introduction to Indian Bronzes.
- 2. Method of casting (solid and hollow)
- 3. Study and appreciation of following South Indian Bronze:

i. Nataraj (Chola period Thanjavur Distt., Tamil Nadu)

Artistic aspects of the indo-Islamic architecture:

- 1. Introduction
- 2. Study and appreciation of the following architecture:
 - i. Qutub Minar, Delhi
 - ii. Gol Gumbad of Bijapur

(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