

CLASS – XI A
SUBJECT: MATHEMATICS
TEACHER'S NAME: VIJAY MEHTA
SPLIT –UP SYLLABUS – 2022-23

S. No.	Month	Chapter	Page No.	Dropped Topic
1	June	Chapter 1 Sets	12-13	1.7 Power set, Exercise 1.3 Ques. 5
			21-23	1.12 Practical Problems on Union and Intersection of Two sets
			24	Exercises 1.6
			25-26	Examples 31-34 and Ques. 6-7 (Miscellaneous Exercise)
			27	Ques. 13-16 (Miscellaneous Exercise), Last Point in the Summary on the page
2		Chapter 3 Trigonometric Functions	28	Last Point in the Summary
			74-78	3.5 Trigonometric Equations (up to Exercise 3.4)
			84	Last five Points in the Summary
			466-473	3.6 Proofs and Simple Applications of sine and Cosine Formulae
3		Chapter 4 Principle of Mathematical Induction	86-96	Full Chapter
4	June	Chapter 5 Complex Number	106-108	5.5.1 Polar Representation of a Complex Number
			110-111	5.6 Quadratic Equation
			112-113	Examples 13, 15, 16
			114	Ques. 5-8, 9 and 13 (Miscellaneous Exercise)
			474-475	Last Three points in the Summary
5	July	Chapter 6 Linear Inequalities	123-129	5.7 Square- root of a Complex number
				6.4 Graphical Solution of Linear Inequalities in Two variables 6.5 Solution of System of Linear Inequalities in Two Variables
6		Chapter 8 Binomial Theorem	133	Last three point in the Summary
			167-174	8.3 General Middle Terms Example 17 and Ques. 1-3 and 8 (Miscellaneous Exercise)
			176	Last Two point in the Summary
7		Chapter 9 Sequences and Series	181-186	9.4 Arithmetic Progression (A.P.) (up to Exercise 9.2)
			194-196	9.7 Sum to n terms of special Series
			197-198	Examples 21, 22 and 24
			199-200	Ques. 1-6, 12, 15, 16, 20, 23-26 (Miscellaneous Exercise)
			201	Point 3 and 4 in the summary
8	August	Chapter 10 Straight lines	210-212	10.2.4 Collinearity of three points (Examples 4-5 and Ques 8, 13-14 in exercises 10.1)
			217-219	10.3.6 Normal Forms
			220-224	Ques. 8 in Exercise 10.2, 10.4 General Equation of line
			227	Ques. 3 in Exercise 10.3
			233	Ques. 2 (Miscellaneous Exercise)
			235	Fourth Last Point in the Summary
477-478	10.6 Equation of Family of lines passing Through the Points of intersection of Two lines			
			478-480	10.7 Shifting of Origin
9	September	Chapter 11 Conic Sections	248	11.5.2 Special Cases of and Ellipses
10		Chapter 12 Introduction to Three dimensional Geometry	273-276 277 278-280	12.5 Section Formula Exercises 12.3 Ques. 4 and 5 (Miscellaneous Exercise) Last Three Points in the Summary
11		Chapter 14 Mathematical Reasoning	321-346	Full chapter
12	October	Chapter 15 Statistics	372-376 380-380	15.6 Analysis of Frequency distribution Ques. 6 (Miscellaneous Exercise) and last point in the Summary)
13	July	Chapter 16 Probability	383-387 410	16.1 Introduction 16.2 Random Experiment First Two Point in the Summary
	October	Chapter 2 Relations & Function		

SUBJECT: PHYSICS – 11086 -11087
SPLIT –UP SYLLABUS – 2022-23

S. No.	Month	Chapter	Pate No.	Dropped Topic
		Chapter 1 Physical world	1-15	1.1 What is Physics? 1.2 Scope and Excitement of Physics 1.3 Physics, Technology and society 1.4 Fundamental Forces in nature 1.5 Nature of Physical laws
		Chapter 2 Units and Measurements	18-27 36-38	2.3 Measurement of Length 2.4 Measurement of Mass 2.5 Measurement of Time 2.6 Accuracy, Precision of Instruments and Errors in Measurement Exercises 2.13, 2.14, 2.19-2.22, 2.24- 2.33
	March & April	Chapter 3 Motion in a Straight Line	39-43 51-53 56 59-60 61-64	3.2 Position, Path length and Displacement 3.3 Average Velocity and Average Speed 3.7 Relative Velocity Exercises 3.5, 3.7-3.9 and 3.23-3.28 Appendix 3.1
	June	Chapter 4 Motion in a Plane	76-77	4.9 Relative Velocity in Two Dimensions Exercises 4.12-4.14; 4.26-4.32
	June	Chapter 5 Laws of Motion	111-113	Exercises 5.24-540
	August & September	Chapter 6 Work Energy and Power	126-128 137-139	6.10 Various Forms of Energy : the Law of conservation of Energy Exercises 6.24-6.29
	June	Chapter 7 System of Particles and rotational Motion	164-167 173-175 178-182	7.10 Theorems of Perpendicular and Parallel Axes 7.14 rolling Motion Exercises 7.10, 7.18-7.19, 7.21-7.33
	July	Chapter 8 Gravitation	186 196-198 202-206	8.11 Geostationary and Polar satellites 8.12 Weightlessness Exercises 8.3-8.5 8.22-8.25 Appendix 8.1
	April	Chapter 9 Mechanical Properties of Solids	236 241 249	9.2 Elastic Behavior of Solids 9.6.2. Determination of Young's Modulus of the Material of a Wire Exercises 9.17-9.21
		Chapter 10 Mechanical Properties of Fluids	260 261 269 176-277 274-275	10.4.2. Venturi- Meter 10.4.3 Blood Flow and Heart Attack 10.6.6 Detergents and Surface Tension Exercises 10.21-10.31 Appendix 10.1
		Chapter 11 Thermal Properties Of Matter	295-296 302	11.9.5 Greenhouse Effect Exercises 11.21-11.22
		Chapter 12 Thermodynamics	313 313-314 322	12.9 Heat Engines 12.10 Refrigerators and heat Pumps Exercises 12.7 and 12.10
		Chapter 13 Kinetic Theory	335 340	13.6.5 Specific Heat Capacity of Water Exercises 13.11-13.14
		Chapter 14 Oscillations	352-353 355-359 .65-366	14.9 Damped Simple Harmonic Motion 14.10 forced Oscillations and Resonance Exercises 14.16 (p. 365), 14.20-14.25
		Chapter 15 Waves	384-387 393-394	15.8 Doppler Effect Exercise 15.20-15.27
		Answers	223-226 228-234 396-402 404	In Accordance with the reduction in Exercises in text.

SUBJECT: CHEMISTRY
TEACHER'S NAME: RANU JAIN
SPLIT UP SYLLABUS - 2022-23

S.NO.	MONTH	CHAPTER	CHAPTER NAME
1.	JUNE	I	● SOME BASIC CONCEPT OF CHEMISTRY
2.	JULY	II&III	● STRUCTURE OF ATOM ● CLASSIFICATION OF ELEMENTS AND PROPERTIES
3.	AUGUST	VIII IV	● REDOX REACTION ● CHEMICAL BONDING
4.	SEPTEMBER		● CHEMICAL BONDING ● Revision For Term - I
5.	OCTOBER	V	● CHEMICAL THERMODYNAMICS
6.	NOVEMBER		
7.	NOVEMBER	VI	● SOME BASIC PERINCIPLES AND TECHNIQUES OF ORGANIC CHEMISTRY
8.	DECEMBER	XIII	● HYDROCARBONS
9.	JANUARY	VII	● EQUILIBRIUM
10.	FEBUARY		REVISION

Note: Chapter Numbers are according to old syllabus.

SUBJECT: COMPUTER SCIENCE
TEACHER'S NAME: ARCHANA KALKOTWAR
SPLIT –UP SYLLABUS 2022-23

S.NO.	MONTHS	CHAPETER	CONTENT
1.	JUNE	Unit 1 PROGRAMMING AND COMPUTATIONAL THINKING:	CH-1 BASICS OF PYTHON CH-2 VARIABLE SCOPE
1.	JULY	Unit 1 PROGRAMMING AND COMPUTATIONAL THINKING:	CH-3 ITERATIVE COMPUTATION CH-4 ERRORS AND EXCEPTIONS
4	AUGUST	UNIT 2	COMPUTER SYSTEM AND ORGANIZATION
5	SEPTEMBER	REVISION	TERM I EXAMINATION
6	OCTOBER	Unit 1 PROGRAMMING AND COMPUTATIONAL THINKING:	CH-5 LIST AND TUPLES CH-6 DICTIONRIES CH-7 SORTING ALGORTHIM
7	NOVEMBER	UNIT 4	SOCIETY LAW AND ETHICS
8	DECEMBER	REVISION	LAB EXERCISES
9	JANUARY	REVISION	LAB EXERCISES

SUBJECT: BIOLOGY - 11080
SPLIT –UP SYLLABUS – 2022-23

S. No.	Month	Chapter	Page No.	Dropped Topic
	Jun	Chapter 1 The living World	3-5 11-14 12 12 13 14 15	1.1 what is living ? 1.4 Taxonomical Aids 1.4.2 Botanical Gardens 1.4.3 Museum 1.4.4 Zoological parks Summary (para 2) Question no. 10
		Chapter 2 Biological Calcification		
	July	Chapter 3 Plant kingdom	40-41 42-43 44 45	3.5 Angiosperms 3.6 plant life Cycles and Alternation of Generations Summary (para 5 and 6) Question no. 10
		Chapter -4 Animal kingdom		
	August	Chapter 5 Morphology of flowering Plants	67-68 68-69 71 78-79 81 82-83	5.1.2 Modifications of root 5.2.1 Modifications of Stem 5.3.4 Modification of Leaves 5.9.1 Fabaceae 5.9.3 Liliaceae Question no. 1, 2, 6, (b 8, 9, 12, 14
	September	Chapter 6 Anatomy of Flowering Plants	84 84-85 86-87 87-88 94 94-95 99 96-97 97-98 99	6.1 The Tissues 6.1.1 Meristematic Tissues 6.1.2 .1 Simple Tissues (para 2, 3) 6.1.2.2 Complex Tissues (para 4) 6.4 Secondary Growth 6.4.1 Vascular Cambium 6.4.1.2 Activity of the Cambial Ring 6.4.1.3 Spring Wood and Autumn Wood 6.4.1.4 heartwood and Sapwood 6.4.2 cork Cambium 6.4.3 Secondary Growth in roots Question no. 1, 2, 3, 7, 11
	July	Chapter 7 Structural Organization in animals	100 101-102 102-103 104-105 105-106 106-111 106-107 107-108 111 111-112 113-115 120-121 121-122	7.1 Animal Tissues 7.1.1. Epithelial Tissue 7.1.2 connective Tissue 7.1.3. Muscle Tissue 7.1.4. Neural Tissue 7.3. Earthworm 7.3.1. Morphology 7.3.2. Anatomy 7.4. cockroach 7.4.1. Morphology 7.4.2. Anatomy Summary (para 2, 3, 4) Question no. 1, 2, 3, 4, 5, 6,7, 8, 9, 10, 11, 12, 13, 14 (c)
	August	Chapter -8 Cell : the unit of life		
		Chapter 9 Biomolecules	151 152 153 160-161	9.8 Nature of Bond Linking Monomers in a Polymer 9.9 dynamic State of Body constituents – concept of Metabolism 9.10. Metabolic Basis For Living 9.11 the Living state Question no. 2, 3, 5, 8, 10
		Chapter -10 Cell Cycle and cell division		
	September	Chapter -13 Photosynthesis in highr Plant		
	October	Chapter -14 Respiraiion in Plants		
		Chapter 15 Plant Growth and Development	251 252 252 254	15.5 Photoperiodism 15.6 Vernalisation 15.7 Seed Dormancy Question No. 3, 5, 8, 10

		Chapter 17 Breathing and exchanges of gases		
	November	Chapter -18 Body Fluids and Circulation		
		Chapter 19 Excretory Products and their Elimination		
	December	Chapter -20 Locomotion and Movement		
	December	Chapter 21 Neural Control and Coordination	322 322 322-23 323 323-324 324-326 327 328 329-330	21.5 Reflex Action and Reflex Arc 21.6 Sensory Reception and Processing 21.6.1. Eye 21.6.1.1. parts of an Eye 21.6.1.2. Mechanism of vision 21.6.2. the Ear 21.6.2.1. Mechanism of hearing Summary (Para 3, 4, Question no. 1 (b,c) 3 (c) 4, (C,d) 5, (e, f, g, h) 6 (b,c) 7, 8, (b, c) 9 (c), 10 (a), 11, 12 (c, d)
	January	Chapter -22 Chemical Coordination and integration		
		Answers	433 435 438-445 447-451 455 458-463	In accordance with the reduction in Exercises in text.