SUB : PHYSICS

MONTHS	NO. OF DAYS
JULY	**25**
Ch 1: Physical World	1
Ch 2: Units & Measurement	6
Ch 3: Motion in a Straight line	6
Ch 4: Motion in a Plane	6
Ch 5: Laws of Motion	6
PRACTICALS:	
(i) To measure diameter of a small spherical body using Vernier Callipers	
(ii) To measure internal diameter of a beaker/calorimeter using Vernier Callipers	
(iii) To measure the dimension of a given body of known mass using Vernier callipers	
ACTIVITIES:	
i. To make a paper scale of given least count.	
ii. To plot a graph for a given set of data, with proper choice of scales	
iii. To study the variation in range of a projectile with angle of projection	
AUGUST	**24**
Ch 6: Work, Energy & Power	6
Ch 7: System of particals and Rotational motion	6
Revision of periodic test-1	6
Periodic test-1	6
PRACTICALS:	
(iv) To measure thickness of a given sheet using Screw Gauge	
(v) To determine the radius of curvature of a given spherical surface bySpherometer	
ACTIVITY:	
iv. To observe and explain the effect of heating on a bimetallic strip	
SEPTEMBER	**23**
Half yearly examination	11
Ch 8: Gravitation	12
OCTOBER	**19**
Ch 9: Mechanical Properties of solids	6
Ch 10: Mechanical Properties of fluids	13
PRACTICALS:	
(vi) To plot L-T and L- T^2 graph using a simple pendulum	
(vii) To measure diameter of a given wire using screw gauge	

MONTHS	NO. OF DAYS
(viii) To find weight by parallelogram law of vector addition	
ACTIVITIES:	
v. To note change in level of liquid on heating	
vi. To study effect of load on depression	
NOVEMBER	**15**
Ch 11: Thermal properties of matter	5
Ch 12: Thermodynamics	8
Mock Test-1	2
PRACTICALS:	
(ix) To Determine The Coeff. of Viscosity of glycerine	
(x) To find downward force, along an inclined plane.	
(xi) To determine the coefficient of friction of a horizontal plane	
DECEMBER	**20**
Mock Test-1	9
Ch 13: Kinetic Theory	3
Ch 15: Waves	3
Revision	5
JANUARY	**20**
Mock Test -2	11
Ch 14: Oscillations	9
PRACTICALS:	
(xii) To find Young's modulus of wire	
(xiii) To find force constant of helical spring	
(xiv) To study variation of time of simple pendulum of different mass	
(xv) To study the relation between frequency and length of wire using sonometer	
FEBRUARY	**19**
Revision	19
MARCH	
(Working Days according to Final Examination)	
Syllabus for Mock Test - 1	
Ch1 to Ch 5	
Syllabus for Half Yearly Exam	
Ch1 to Ch 7	
Syllabus for Mock Test - 2	
Ch1 to Ch 13,15	
Syllabus for Annual Examination	
Entire Syllabus	

SUB: COMPUTER SCIENCE (C++)

MONTHS	NO. OF DAYS
JULY	**25**
Ch 1: Computer Overview	4
Ch 2: Software Concepts	3
Ch 3: Data Representation	5
Ch 5: General OOP Concepts	5
Ch 6: Getting Started with C++	8
AUGUST	**24**
Periodic Test 1	6
Ch 7: Data Handling	5
Ch 8: Operators & Expressions in C++	6
Revision of half yearly exam	7
SEPTEMBER	**23**
Half Yearly Examination	11
Ch 10: Flow of Control	10
Ch 9 : C++ as per Latest C++ II standard	2
OCTOBER	**19**
Ch 11: Functions	15
Ch 12: Structured Data Type: Array	4
NOVEMBER	**24**
Ch 12: Structured Data Type: Array(Cont.)	11
Ch 4: Microprocessor Basics and Memory Concepts	4
Ch 14: Programming Methodology	3
Revision	4
Mock Test-1	2
DECEMBER	**15**
Mock Test-1	9
Ch 14: Programming Methodology (contd.)	1
Revision	5
JANUARY	**20**
Mock Test-II	11
Ch 13: Structure	9
FEBRUARY	**19**
Revision	19
MARCH (Working Days according to Final Examination)	
SA (2) Examination	
SYLLABUS FOR PT 1	
Chapter-1,2,3,5, and 6	
SYLLABUS FOR HALF YEARLY EXAMINATION	
Chapter-1,2,3,5,6, 7 and 8	
SYLLABUS FOR MT-1	
Chapter-1-12	
SYLLABUS FOR MT-2	
Chapter-1-12,14	
SYLLABUS FOR ANNUAL EXAMINATION	
Chapter-1-14	

SUB : BIOLOGY

MONTHS	NO. OF DAYS
JULY	**25**
Ch 1: The living world	4
Ch 2: Biological Classification	4
Ch 5: Morphology of Flowering plants	4
Ch 3: Plant Kingdom	4
Ch 4: Animal Kingdom	4
Ch 6: Anatomy of Flowering plants	5
Practicals:	
(i) To study the parts of Compound Microscope	
(ii) Study of the specimens and Identification with reasons-Bacteria Oscillatoria, Spirogyra, Rhizopus, Mushroom, Yeast, Liverworts, Moss, Fern, Pine, monocot plant, dicot plant and one lichen.	
(iii) To study flowering families (Solanacea, Fabaceae, Liliaceae)	
(iv) To prepare and study of T.S of dicot, Monocot, roots and stems.	
AUGUST	**24**
Ch 7: Structural organization in animals	5
Revision forFA1	6
FA1 EXAM	6
Ch 8: Cell: The Unit of life	4
Ch 12: Mineral nutrition	3
Practicals:	
(i) To study mitosis and meiosis through permanent slides	
(ii) To study Osmosis by Potato-osmometer.	
(iii) To study Plasmolysis in Epidermal peels.	
(iv) To study imbibitions in raisin .	
(v) To study distribution of stomata in the upper & lower surface of leaves.	
(vi) To study external morphology of cockroach through virtual image/model.	
SEPTEMBER	**23**
Revision for SA1	5
Summative Evaluation (1)	**9**
Ch 10: Cell Cycle and Cell division	5
Ch 11: Transport in Plants	4
OCTOBER	**17**
Ch 16: Digestion and Absorption in human	5
Ch 13: Photosynthesis in higher plants	6
Ch 14: Respiration in plants	6
Ch 9: Biomolecules	5

SUB : PAINTING (THEORY)
Book - Panoromic Indian Painting

MONTHS	NAME OF TOPIC
July:	**UNIT 1**
	Ch: 1 Introduction of Art, definition of colors,
	Ch: 2 Pre-historic Painting
August:	**Ch: 3** Art of Indus Velly Civilization
	Revision of Periodic Test-1
UNIT 2	**Ch: 4** Buddhist and Jain Art
September:	***Revision***
	Half Yearly Examination
October	**Ch: 4** Introduction of Hindu Art
UNIT 3	**Ch: 5** The art of Ajanta Caves
November:	**UNIT 4**
	Ch: 6 Aesthetic aspects of Indian sculpture
	Mock Test-1
December:	Mock Test-1
UNIT 5	**Ch: 7** Study of south Indian sculpture
January:	Mock Test-2
	Ch: 8 Indo Islamic Architecture
February:	**Revision**
Annual Examination	
Entire syllabus.	

SUB : PAINTING (PRACTICAL)
Book - Panoromic Indian Painting

MONTHS	NAME OF THE TOPIC
July:	Basic knowledge
	Still Life, Drapery,
	(Pencil shading) (2 sheets)
August:	Still Life, Landscape
	(Oil Pastel Colours) (2 sheets of oil pastel colours)
September:	Composition (1 sheet)
Half Yearly Examination	
October:	Figurative Drawing (2sheets)
	Landscape (2 sheets)
November:	Composition (1 sheet)
December:	Composition (with human figure)
January:	Practice
February:	Composition (1 sheet)
Annual Examination	

SUB : ART & CRAFT EDUCATION

MONTHS		
July:	**Art :**	**Book Name :- Aesthetic Art**
		Page No. :- 5 – 10 (any 4)
	Craft:	1) Mirror decoration
August:	**Art :**	**Book Name :- Aesthetic Art**
		Page No. :- 11 – 21 (any 4)
	Craft:	1) Make a Decoupage Card
September:	**Art :**	**Book Name :- Aesthetic Art**
		Page No. :- 22 – 31 (any 6)
	Craft:	1) Madhubani painting
Half Yearly Examination		
October:	**Art :**	**Book Name :- Aesthetic Art**
		Page No. :- 32 – 46 (any 8)
	Craft:	1) Stained Glass
AUTUMN BREAK PROJECT WORK		
		1) Make a collage work of waste material.
November:	**Art :**	**Book Name Aesthetic Art**
		Page No. :- 47– 59 (any 8)
	Craft:	1) Ice cream stick activity
December:	**Art :**	**Book Name :- Aesthetic Art**
		Page No. :- 60 – 72 (any 7)
	Craft:	1) Make a Funky fish.
January:	**Art :**	**Book Name :- Aesthetic Art**
		Page No. :- 73 – 88 (any 9)
	Craft:	1) Make a Paper bird.
February:		Practice & grading
Final examination		