

SUNRISE INTERNATIONAL SCHOOL
SYLLABUS FOR THE SESSION OF (2019-20)
SUBJECT: PHYSICS
CLASS: XI

NAME OF THE BOOK	TEXT BOOK
AUTHOR'S NAME	S.L ARORA
TOTAL CHAPTERS	10

CH-	SYLLABUS: TOTAL CHAPTERS
1.	UNIT 1 (Units & Measurement and Dimensional Analysis)
2.	UNIT 2 (Kinematics)
3.	UNIT 3 (Forces and laws of motion)
4.	UNIT 4 (Work power and energy)
5.	UNIT 5 (Rotational motion)
6.	UNIT 6 (Gravitation)
7.	UNIT 7 (Solids ,properties of bulk matter)
8.	UNIT 8 (THERMODYNAMICS)
9.	UNIT 9 (KINETIC THEORY OF GASES)
10.	UNIT 10 (waves and oscillations)

TOTAL ASSESSMENT		
1. HALF YEARLY	2. PERIODIC TEST-2	3. ANNUAL ASSESSMENT

HALF YEARLY SYLLABUS

1.	PERIODIC TEST-2	MONTH	RANGE%
	CHAPTER NAME	SEPTEMBER	50%
1.	UNIT 1 (Units & Measurement and Dimensional Analysis)		
2.	UNIT 2 (Kinematics)		
3.	UNIT 3 (Forces and laws of motion)		
4.	UNIT 4 (Work power and energy)		

PT-2 SYLLABUS

2.	PERIODIC TEST-3	MONTH	RANGE%
	CHAPTER NAME	DECEMBER	
1.	UNIT 5 (Rotational motion)		
2.	UNIT 6 (Gravitation)		
3.	UNIT 7 (Solids ,properties of bulk matter)		
4.	UNIT 8 (THERMODYNAMICS)		

ANNUAL ASSESSMENT

3.	ANNUAL	MONTH	RANGE%
	CHAPTER NAME	FEBRUARY	100%
1	UNIT 9 (KINETIC THEORY OF GASES)		
2	UNIT 10 (waves and oscillations)		
	ALL CHAPTERS WILL BE INCLUDED FOR HALF YEARLY AND PT-2		

SUNRISE INTERNATIONAL SCHOOL
SYLLABUS FOR THE SESSION OF (2019-20)
SUBJECT: CHEMISTRY
CLASS: XI

NAME OF THE BOOK	TEXT BOOK
AUTHOR'S NAME	NCERT
TOTAL CHAPTERS	14

CH-	SYLLABUS: TOTAL CHAPTERS
1.	Chapter-1 <u>Some basic concepts of chemistry</u>
2.	Chapter-2 <u>Structure of atom</u>
3.	Chapter-3 <u>Periodic Table</u>
4.	Chapter-4 <u>Chemical Bonding</u>
5.	Chapter-5 <u>States of Matter</u>
6.	Chapter-6 <u>Thermodynamics</u>
7.	Chapter-7 <u>Equilibrium</u>
8.	Chapter-8 <u>Redox Reactions</u>
9.	Chapter-9 <u>s-block elements</u>
10.	Chapter-10 <u>p-block elements</u>
11.	Chapter-11 <u>Hydrogen</u>
12.	Chapter-12 <u>Some basic concepts of organic chemistry</u>
13.	Chapter-13 <u>Hydrocarbons</u>
14.	Chapter-14 <u>Environmental Chemistry</u>

TOTAL ASSESSMENT		
1. HALF YEARLY	2. PERIODIC TEST-2	3. ANNUAL ASSESSMENT

HALF YEARLY SYLLABUS

1.	HALF YEARLY	MONTH	RANGE%
	CHAPTER NAME	SEPTEMBER	30%
1.	Chapter-1 <u>Some basic concepts of chemistry</u>		
2.	Chapter-2 <u>Structure of atom</u>		
3.	Chapter-3 <u>Periodic Table</u>		

4.	Chapter-4 <u>Chemical Bonding</u>
5.	Chapter-5 <u>States of Matter</u>

PT-2 SYLLABUS

2.	PERIODIC TEST-2	MONTH	RANGE%
	CHAPTER NAME	DECEMBER	70%
1	Chapter-6 <u>Thermodynamics</u>		
2	Chapter-7 <u>Equilibrium</u>		
3	Chapter-8 <u>Redox Reactions</u>		

ANNUAL ASSESSMENT

3.	ANNUAL	MONTH	RANGE%
	CHAPTER NAME	FEBRUARY	100%
1	Chapter-9 <u>s-block elements</u>		
2	Chapter-10 <u>p-block elements</u>		
3	Chapter-11 <u>Hydrogen</u>		
4	Chapter-12 <u>Some basic concepts of organic chemistry</u>		
5	Chapter-13 <u>Hydrocarbons</u>		
6	Chapter-14 <u>Environmental Chemistry</u>		
	ALL CHAPTERS WILL BE INCLUDED FOR HALF YEARLY AND PT-2		

SUNRISE INTERNATIONAL SCHOOL
SYLLABUS FOR THE SESSION OF (2019-20)

SUBJECT: BIOLOGY

CLASS: XI

NAME OF THE BOOK	TEXT BOOK
AUTHOR'S NAME	NCERT
TOTAL CHAPTERS	22

CH-	SYLLABUS: TOTAL CHAPTERS
1.	CH-1 THE LIVING WORLD
2.	CH-2 BIOLOGICAL CLASSIFICATION
3.	CH-3 PLANT KINGDOM
4.	CH-4 ANIMAL KINGDOM
5.	CH-5 MORPHOLOGY OF FLOWERING PLANTS
6.	CH-6 ANATOMY OF FLOWERING PLANTS
7.	CH-7 STRUCTURAL ORGANISATION IN ANIMALS
8.	CH-8 CELL: THE UNIT OF LIFE
9.	CH-9 BIOMOLECULES
10.	CH-10 CELL CYCLE AND DIVISION
11.	CH-11 TRANSPORT IN PLANTS
12.	CH-12 MINERAL NUTRITION
13.	CH-13 PHOTOSYNTHESIS IN HIGHER PLANTS
14.	CH-14 RESPIRATION IN PLANTS
15.	CH-15 PLANT GROWTH AND DEVELOPMENT
16.	CH-16 DIGESTION AND ABSORPTION
17.	CH-17 BREATHING AND EXCHANGE OF GASES
18.	CH-18 BODY FLUID AND CIRCULATION
19.	CH-19 EXCRETORY PRODUCTS AND THEIR ELIMINATION
20.	CH-20 LOCOMOTION AND MOVEMENT
21.	CH- 21 NEURAL CONTROL AND COORDINATION
22.	CH-22 CHEMICAL COORDINATION AND INTEGRATION

TOTAL ASSESSMENT

1. HALF YEARLY	2. PERIODIC TEST-2	3. ANNUAL ASSESSMENT
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HALF YEARLY SYLLABUS

1.	HALF YEARLY	MONTH	RANGE%
	CHAPTER NAME	SEPTEMBER	30%
1.	CH-1 THE LIVING WORLD		
2.	CH-2 BIOLOGICAL CLASSIFICATION		
3.	CH-3 PLANT KINGDOM		
4.	CH-4 ANIMAL KINGDOM		
5.	CH-5 MORPHOLOGY OF FLOWERING PLANTS		
6.	CH-6 ANATOMY OF FLOWERING PLANTS		

PT-2 SYLLABUS

2.	PERIODIC TEST-2	MONTH	RANGE%
	CHAPTER NAME	DECEMBER	70%
1.	CH-7 STRUCTURAL ORGANISATION IN ANIMALS		
2.	CH-8 CELL: THE UNIT OF LIFE		
3.	CH-9 BIOMOLECULES		
4.	CH-10 CELL CYCLE AND DIVISION		
5.	CH-11 TRANSPORT IN PLANTS		
6.	CH-12 MINERAL NUTRITION		
7.	CH-13 PHOTOSYNTHESIS IN HIGHER PLANTS		
8.	CH-14 RESPIRATION IN PLANTS		
9.	CH-15 PLANT GROWTH AND DEVELOPMENT		
10.	CH-16 DIGESTION AND ABSORPTION		
11.	CH-17 BREATHING AND EXCHANGE OF GASES		
12.	CH-18 BODY FLUID AND CIRCULATION		

ANNUAL ASSESSMENT

3.	ANNUAL	MONTH	RANGE%
	CHAPTER NAME	FEBRUARY	100%
1	CH-19 EXCRETORY PRODUCTS AND THEIR ELIMINATION		

2	CH-20 LOCOMOTION AND MOVEMENT
3	CH- 21 NEURAL CONTROL AND COORDINATION
4	CH-22 CHEMICAL COORDINATION AND INTEGRATION
	ALL CHAPTERS WILL BE INCLUDED FOR HALF YEARLY AND PT-2

SUNRISE INTERNATIONAL SCHOOL
SYLLABUS FOR THE SESSION OF (2019-20)
SUBJECT: MATHEMATICS
CLASS: XI

NAME OF THE BOOK	MATHEMATICS
AUTHOR'S NAME	NCERT
TOTAL CHAPTERS	16

CH-	SYLLABUS: TOTAL CHAPTERS
1.	CHAPTER :- 1 SETS
2.	CHAPTER :- 2 RELATION AND FUNCTION
3.	CHAPTER :- 3 TRIGONOMETRIC FUNCTIONS
4.	CHAPTER :- 4 PRINCIPLE OF MATHEMATICAL INDUCTION
5.	CHAPTER :- 5 COMPLEX NO. AND QUADRATIC EQUATION
6.	CHAPTER :- 6 LINEAR INEQUALITIES
7.	CHAPTER:- 7 PERMUTATION AND COMBINATION
8.	CHAPTER :- 8 BINOMIAL TH.
9.	CHAPTER :-9 SEQUENCE AND SERIES
10.	CHAPTER :-10 STRAIGHT LINES
11.	CHAPTER :-11 CONIC SECTION
12.	CHAPTER:-12 THREE DIMENSIONAL GEOMETRY
13.	CHAPTER :- 13 LIMITS AND DERIVATIVE
14.	CHAPTER :14 MATHEMATICAL REASONING
15.	CHAPTER :-15 STATISTICS
16.	CHAPTER :- 16 PROBABILITY

TOTAL ASSESSMENT		
1. HALF YEARLY	2. PERIODIC TEST-2	3. ANNUAL ASSESSMENT

HALF YEARLY SYLLABUS

1.	PERIODIC TEST-2	MONTH	RANGE%
	CHAPTER NAME	SEPTEMBER	50%
1.	CHAPTER :- 1 SETS		

2.	CHAPTER :- 2 RELATION AND FUNCTION
3.	CHAPTER :- 3 TRIGONOMETRIC FUNCTIONS
4.	CHAPTER :- 4 PRINCIPLE OF MATHEMATICAL INDUCTION
5.	CHAPTER: - 5 COMPLEX NO. AND QUADRATIC EQUATION

PT-2 SYLLABUS

2.	PERIODIC TEST-3	MONTH	RANGE%
	CHAPTER NAME	DECEMBER	
1.	CHAPTER :- 6 LINEAR INEQUALITIES		
2.	CHAPTER:- 7 PERMUTATION AND COMBINATION		
3.	CHAPTER :- 8 BINOMIAL TH.		
4.	CHAPTER :-9 SEQUENCE AND SERIES		
5.	CHAPTER :-10 STRAIGHT LINES		
6.	CHAPTER :-11 CONIC SECTION		
7.	CHAPTER:-12 THREE DIMENSIONAL GEOMETRY		
8.	CHAPTER :- 16 PROBABILITY		

ANNUAL ASSESSMENT

3.	ANNUAL	MONTH	RANGE%
	CHAPTER NAME	FEBRUARY	100%
1	CHAPTER :- 13 LIMITS AND DERIVATIVE		
2	CHAPTER :14 MATHEMATICAL REASONING		
3	CHAPTER :-15 STATISTICS		
ALL CHAPTERS WILL BE INCLUDED FOR HALF YEARLY AND PT-2			

SUNRISE INTERNATIONAL SCHOOL
SYLLABUS FOR THE SESSION OF (2019-20)
SUBJECT: ENGLISH
CLASS: XI

NAME OF THE BOOK	
AUTHOR'S NAME	
TOTAL CHAPTERS	10

CH-	SYLLABUS: TOTAL CHAPTERS
	Book -1 'Hornbill'
	L-1 'The Portrait of a lady'
	L-2 'We're Not Afraid to die'
	L-3 'Discovering Tut'
	L-4 'Landscape of the Soul'
	Poem -1 'A Photograph'
	Poem -2 'The Laburnum Top'
	L-5 'The Ailing Planet'
	P-3 'The voice of the rain'
	L-6 'The Browning Version'
	L-7 'The Adventure'
	L-8 'Silk Road'
	Poem -4 'Childhood'
	P-5 'father to son'
	Book-2 ' Snapshots'
	L-1 'The summer of Beautiful white Horse'
	L-2 ' The Address'
	L-3 'Ranga's Marriage'
	L-4 'Albert Einstein at School'
	L-5 'Mother's Day'
	L-6 'The Ghat of the only World'
	L-7 'Birth'
	L-8 'The Tale of City'

TOTAL ASSESSMENT		
1. HALF YEARLY	2. PERIODIC TEST-2	3. ANNUAL ASSESSMENT

HALF YEARLY SYLLABUS

1.	PERIODIC TEST-2	MONTH	RANGE%
	CHAPTER NAME	SEPTEMBER	50%
	Book -1 'Hornbill'		

1.	L-1 'The Portrait of a lady'
2.	L-2 'We're Not Afraid to die'
3.	L-3 'Discovering Tut'
4.	L-4 'Landscape of the Soul'
5.	Poem -1 'A Photograph'
6.	Poem -2 'The Laburnum Top'
	Book-2 ' Snapshots'
1.	L-1 'The summer of Beautiful white Horse'
2.	L-2 ' The Address
3.	L-3 'Ranga's Marriage'
4.	L-4 'Albert Einstein at School'
	GRAMMER
	Writing – Notice, Poster, letter to editor, article writing Grammar- Determiners, tenses, models, Reading – Note making and summary

PT-2 SYLLABUS

2.	PERIODIC TEST-3	MONTH	RANGE%
	CHAPTER NAME	DECEMBER	
	Book -1		
1	L-5 'The Ailing Planet'		
2.	P-3 'The voice of the rain		
3	L-6 'The Browning Version'		
	Book – 2		
1	L-5 'Mother's Day'		

ANNUAL ASSESSMENT

3.	ANNUAL	MONTH	RANGE%
	CHAPTER NAME	FEBRUARY	100%
	Book -1		
1	L-7 'The Adventure'		
2	L-8 'Silk Road'		
3	Poem -4 'Childhood'		
4	P-5 'father to son'		
	Book – 2		
1	L-6 'The Ghat of the only World'		
2	L-7 'Birth'		
3	L-8 'The Tale of City'		
	Writing – Job Application, advertisements, Business letters ,Debate Grammar- Clauses, Voice		
	ALL CHAPTERS WILL BE INCLUDED FOR HALF YEARLY AND PT-2		

SUNRISE INTERNATIONAL SCHOOL
SYLLABUS FOR THE SESSION OF (2019-20)
SUBJECT: COMPUTER SCIENCE
CLASS: XI

NAME OF THE BOOK	Computer Science -Python
AUTHOR'S NAME	Sumita Arora
TOTAL CHAPTERS	20

CH-	SYLLABUS: TOTAL CHAPTERS
1.	CH-1 Computer System Overview
2.	CH-2 Data Representation
3.	CH-3 Boolean Logic
4.	CH-4 Insight into program Execution
5.	CH-5 Computation Thinking and Getting started with Python
6.	CH-6 Python Fundamentals
7.	CH-7 Data Handling
8.	CH-8 Conditional And Iterative Statements(half)
9.	CH -9 String Manipulation
10.	CH -10 Debugging Programs
11.	CH-11 List Manipulation
12.	CH – 12 Tuples
13.	CH – 13 Dictionaries
14.	CH-14 Understanding Sorting
15.	CH-15 Relational database
16.	CH -16 Simple Queries in SQL
17.	CH-17 Table Creation and Data manipulation commands
18.	CH-18 Basics of NOSQL Database
19.	CH-19 Cyber Safety
20.	CH-20 Online Access and Computer Security

TOTAL ASSESSMENT		
1. HALF YEARLY	2. PERIODIC TEST-2	3. ANNUAL ASSESSMENT

HALF YEARLY SYLLABUS

1.	HALF YEARLY	MONTH	RANGE%
	CHAPTER NAME	SEPTEMBER	30%
1.	CH-1 Computer System Overview		
2.	CH-2 Data Representation		
3.	CH-3 Boolean Logic		
4.	CH-4 Insight into program Execution		

5.	CH-5 Computation Thinking and Getting started with Python
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PT-2 SYLLABUS

2.	PERIODIC TEST-2	MONTH	RANGE%
	CHAPTER NAME	DECEMBER	70%
1.	CH-7 Data Handling		
2.	CH-6 Python Fundamentals		
3.	CH-8 Conditional And Iterative Statements		
4.	CH -9 String Manipulation		
5.	CH-11 List Manipulation		
6.	CH -10 Debugging Programs		
7.	CH-19 Cyber Safety		
8.	CH-20 Online Access and Computer Security		

ANNUAL ASSESSMENT

3.	ANNUAL	MONTH	RANGE%
	CHAPTER NAME	FEBRUARY	100%
1	CH-18 Basics of NoSQL Database		
2	CH – 12 Tuples		
3	CH – 13 Dictionaries		
4	CH-14 Understanding Sorting		
5	CH-15 Relational database		
6	CH -16 Simple Queries in SQL		
7	CH-17 Table Creation and Data manipulation commands		
	ALL CHAPTERS WILL BE INCLUDED FOR HALF YEARLY AND PT-2		

SUNRISE INTERNATIONAL SCHOOL
SYLLABUS FOR THE SESSION OF (2019-20)
SUBJECT: PHYSICAL EDUCATION
CLASS: XI

NAME OF THE BOOK	TEXT BOOK
AUTHOR'S NAME	
TOTAL CHAPTERS	10

CH-	SYLLABUS: TOTAL CHAPTERS
1.	UNIT 1 CHANGING TRENDS & CAREER IN PHYSICAL EDUCATION
2.	UNIT 2 OLYMPIC MOVEMENT
3.	UNIT 3 PHYSICAL FITNESS, WELLNESS & LIFESTYLE
4.	UNIT 4 PHYSICAL EDUCATION & SPORTS FOR CWSN
5.	UNIT 5 YOGA
6.	UNIT 6 PHYSICAL ACTIVITY & LEADERSHIP TRAINING
7.	UNIT 7 TEST ,MEASUREMENT & EVALUATION
8.	UNIT 8 FUNDAMENTALS OF ANATOMY & PHYSIOLOGY
9.	UNIT 9 KINESIOLOGY ,BIOMECHANICS & SPORTS
10.	UNIT 10 DOPING

TOTAL ASSESSMENT		
1. HALF YEARLY	2. PERIODIC TEST-2	3. ANNUAL ASSESSMENT

HALF YEARLY SYLLABUS

1.	PERIODIC TEST-2	MONTH	RANGE%
	CHAPTER NAME	SEPTEMBER	50%
1.	UNIT 1 CHANGING TRENDS & CAREER IN PHYSICAL EDUCATION		
2.	UNIT 2 OLYMPIC MOVEMENT		
3.	UNIT 3 PHYSICAL FITNESS, WELLNESS & LIFESTYLE		
4.	UNIT 4 PHYSICAL EDUCATION & SPORTS FOR CWSN		

PT-2 SYLLABUS

2.	PERIODIC TEST-3	MONTH	RANGE%
	CHAPTER NAME	DECEMBER	
1.	UNIT 5 YOGA		
2.	UNIT 6 PHYSICAL ACTIVITY & LEADERSHIP TRAINING		
3.	UNIT 7 TEST ,MEASUREMENT & EVALUATION		

ANNUAL ASSESSMENT

3.	ANNUAL	MONTH	RANGE%
	CHAPTER NAME	FEBRUARY	100%
1	UNIT 8 FUNDAMENTALS OF ANATOMY & PHYSIOLOGY		
2	UNIT 9 KINESIOLOGY ,BIOMECHANICS & SPORTS		
3	UNIT 10 DOPING		
	ALL CHAPTERS WILL BE INCLUDED FOR HALF YEARLY AND PT-2		