

SYLLABUS PLANNING 2011-2012
SUBJECT - ENGLISH
CLASS - XI

1st Term (April 2011 to September 2011)

Month	Section	Book	Topic
March	Reading		Note form Abstraction
	Grammar		Tenses
	Topic of Discussion		Global Warming
	Literature	Hornbill	Portrait of a lady, A Photograph
		Snapshot	The summer of a beautiful white horse
	Writing		Factual Description
May	Grammar		Determiners
	Topic of Discussion		Advancement in Technology (Advantages & Drawbacks)
	Literature	Hornbill	The laburnum top
		Snapshot	The Address
	Writing		Ranga's Marriage Article, Letter to Editor
July	Grammar		Modals
	Topic of Discussion		Brain Drain
	Literature		We are not afraid to die Landscape of the Soul
		Hornbill	The voice of rain
		Snapshot	Albert Einstein at School Mother's Day
		Writing	Job Letter Enquiry Report Writing

Aug	Grammar Topic of Discussion Literature	Hornbill	Active Passive Drug Abuse The Browning Version The Ailing Planet Childhood Speech, Debate Process Writing
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Sept			Revision for Half Yearly Exams
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IInd Term (October 2011 to February 2012)

Oct	Grammar Topic of Discussion Literature	Hornbill	Clause Role of media Silk Road Father to son The Birth Letter Writing (Complain Placing Order)
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Nov	Reading Topic of Discussion Literature Writing	Snapshot	Comprehension Passage Women empowerment Tale of Melon City Letter Writing
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Dec	Literature Writing	Hornbill Snapshot	The Adventure The Ghat of the only word Letter Writing
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Jan	Writing		Advertisement Invitation & Replies
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Feb			Revision
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PAPER PATTERN

Q. No.	Type of Questions	Marks	Time (in Min.)
1.	Comprehension	$9+3=12$	15
2.	Note form & Abstraction	$5+3=8$	15
3.	Factual Description / Report Writing	10	10
4.	Article	10	15
5.	Letter	10	15
6.	Grammar-		
	Determiners, Tenses, Modals	4	5
	Clauses	4	5
	Reordering of sentences	2	4
7.	Extract from poem	4	10
8.	Three short questions from poem	$3 \times 2 = 6$	15
9.	Five short questions from Hornbill	$5 \times 2 = 10$	20
10.	One long answer question from Hornbill	$1 \times 10 = 10$	15
11.	One long answer question from snapshot	$1 \times 4 = 4$	10
12.	Two short questions from snapshot	$2 \times 3 = 6$	15
Total		100	180

SUBJECT - MATHS

Ist Term

Month	Topic	Half Yearly	Annual
April	Sets	6	5
	Relations & Functions	8	5
	PMI	4	4
May	Trigonometry	15	10
	Complex NO. & Quadratic Eq'n.	13	5
July	Permutation & Combinations	15	9
	Binomial Theorem	11	6
	Linear Inequations	11	7
Aug	Probability, 3-D Geometry	15	11
	Mathematical Reasoning	2	2
Total		100	

IInd Term

Oct	St. Lines		10
	Conic Sections		4
Nov	Sequence & Series		6
Dec	Limits & Derivative		10
Jan	Statistics		6
Total			100

PAPER PATTERN

Form of Question	No. of Question	Marks for each questions	Total Marks	Time (in min.)
V.S.A.	10	1	10	20
S.A.	12	4		80
L.A.	7	6	42	65
Revision Time				15
Total	29		10	180

SUBJECT - PHYSICS

Ist Term

Month	Topic	I Term	II Term
April	Physical world & measurement	8	
	Kinematics	13	
May	Kinematics (Contd.)		
	Laws of motion	12	8
July	Work, Energy & Power	8	5
	Motion of system of particles & rigid body	9	8
Aug	Gravitation	10	8
	Mechanics of solids	10	8
	Mechanics of fluids		
Sept	Revision		
	Total	70	

IInd Term

Oct	Heat & Thermodynamics		10
	Oscillations		5+3
	Waves		5
	Revision + Atoms and Nuclei + Photon & Dual Nature		
	Total		70
Practicals			
	Any two assigned practiclas	8+8	8+8
	Practicals record	6	6
	Viva & experiments	5	5
	Record of demo experiments	3	3
	Total	30	30

PAPER PATTERN

Form of Question	No. of Question	Marks for each	Total Marks	Expected length	Time (in min.)
V.S.A.	8	1	8	1 word or 1 line	$2 \times 8 = 16$
S.A. I	10	2	20	30 words	$2 \times 10 = 40$
S.A. II	9	3	27	50 words	$8 \times 9 = 72$
L.A.	3	5	15	150 words	$14 \times 3 = 42$
Revision Time				10	
Total	30		70		180

Weightage Learning Objectives

Objective	Marks	% of marks
Knowledge	21	30
Understanding	35	52
Application	14	20
Total	70	100

SUBJECT - CHEMISTRY

Ist Term

Month	Topic	I Term	II Term
April	Some basic concepts of chemistry	$7+1=8$	3
	Structure of atom	$8+1=9$	6
May	Periodicity in properties	8	4
	Chemical bonding & molecular structure	10	5
July	State of matter	6	4
	Thermodynamics	8	6
	Hydrogen	5	3
Aug	Equilibrium	8	6
	Redox Reactions	$6+2=8$	3
Total		70	

IInd Term

Oct	S-Block Elements		5
	P-Block elements		7
	Org. Chemistry-Basic principles & techniques		7
Nov	Hydrocarbons		8
	Environmental Chemistry		3
Total			70

Practicals

Content based experiment	4
Volumetric analysis	10
Inorganic salt analysis	6
Practical record	5
Viva	5
Total	30

PAPER PATTERN

Form of Question	No. of Question	Marks for each questions	Total Marks	Time (in min.)
V.S.A.	8	1	8	16
S.A.-I	10	2	20	40
S.A.-II	9	3	27	72
L.A.	3	5	15	42
Revision Time				10
Total	30		70	180

SUBJECT - BIOLOGY

Ist Term (April 2011 to September 2011)

Month	Topic	Half Yearly	Annual
April	Living world	2	
	Biological classification	3	
	Plant kingdom	5	
May	Animal kingdom	6	
	Morphology of flowering plants	5	4
	Anatomy	4	4
July	Structural Organization	6	4
	Cell - Unit of life	4	5
	Bio molecules	5	5
	Cell cycle division	6	5
Aug	Transport in plants	4	3
	Mineral nutrition	3	2
	Photosynthesis	8	5
Sept	Respiration	4	5
	Plant growth & Development	2	3
	Digestive System	3	3
	Total	70	

IInd Term (October 2011 to December 2011)

Oct	Breathing & exchange of gases	2
	Body fluids & circulation	3
Nov	Excretory products & circulation	2
	Locomotion and movement	3
	Nervous control & coordination	3
	Chemical coordination & integration	2
Dec	Reproduction in Organisms	3
	Serial reproduction in plants	4
Total		70

PAPER PATTERN

Form of Question	No. of Question	Marks for each questions	Total Marks	Time (in min.)
V.S.A.	8	1	8	16
S.A. I	10	2	20	40
S.A. II	9	3	27	72
L.A.	3	5	15	42
Revision Time				10
Total	30		70	180
Practicals		Marks		Time (in min.)
Content based experiment		8		1 Hr.
Slide preparation		5		1 Hr.
Spotting		7		10 - 15 min
Project		5		15 - 20 min
Practical Record/Viva		5		15 - 20 min
Revision				20 min
Total		30		180 min

SUBJECT - GEOGRAPHY

Book-1 : Fundamentals of Human Geography

Book-2 : India-Physical Environment

Ist Term (April 2011 to September 2011)

Month	Book	Topic	Half yearly	Annual
April	B-1	L-1 : Geography as discipline	3	3
		L-2 : The Earth	10	5
May	B-1	L-3 : Land Forms	10	10
July		L-4 : Climate	5	4
	B-1	L-5 : Water	10	4
	B-1	L-6 : Life on Earth	5	3
Aug	B-2	L-1 : Introduction	3	3
	B-2	L-2 : Physiography	5	5
	B-2	L-3 : Drainage System	5	5
Sept	B-2	L-4 : Climate	5	4
		L-5 : Natural Vegetation	5	5
	B-1	Map Work	4	2
Total			70	
Practicals			30	
Total			100	

IInd Term (October 2011 to November 2011)

Oct	B-2	L-6 : Soils	5
		L-7 : Natural Hazards & disaster	9
		Map Work	3
Nov		Continue with Chapter	
Dec		Revision	

Syllabus for Practicals

April	Introduction to Maps Map Scale
May	Latitudes, Longitudes & Time
July	Map Projections Topographic Maps
Aug	Introduction to Aerial Photographs Introduction to Remote Sensing
Sept	Weather instruments, Map and Charts

PAPER PATTERN

Form of Question	No. of Question	Marks for each Questions	S. No. of Q. Paper	Total Marks
V.S.A.	10	1	1-10	10
S.A.	10	3	11-20	30
L.A.	6	5	21-26	30
Total	26		26	70

SUBJECT - POLITICAL SCIENCE

Ist Term (April 2011 to September 2011)

Month	Topics	Weightage		
		I Term	II Term	
Part-A Indian Constitution at work				
April	L-1	Making of the constitution	8	4
	L-2	Fundamental Rights	8	4
	L-3	System of Representational democracy	8	6
	L-4	Executive in a parliamentary system	10	8
May	L-5	Legislature at the central and state level	10	8
July	L-6	Judiciary	6	6
Part-B Political Theory				
	L-1	Introduction to political theory	8	6
	L-2	Freedom	8	
	L-3	Equality	6	14
Aug	L-4	Social Justice	8	
	L-5	Rights	10	8
	L-6	Citizenship	6	6
Sept	L-7	Nationalism	4	4
		Revision		
		Total	100	

IInd Term (October 2011 to December 2011)

Part-A Indian Constitution at work				
Oct	L-7	Federalism		4
	L-8	Local Government		4
	L-9	Constitution as a living document		
	L-10	Political Philosophy underlying the constitution		6

Part-B Political Theory

Nov	L-8 Secularism L-9 Peace	6
Dec	L-10 Development Revision	6

PAPER PATTERN

Form of Question	No. of Question	Marks for each Questions	Total Marks
V.S.A.	10	1	10
S.A. - I	10	2	20
L.Q.	10	4	40
L.Q.	5	6	30
Total	35		100

SUBJECT - ECONOMICS

Ist Term (April 2011 to September 2011)

Month	Topic	I Term	II Term
April	Unit - 1	Introduction	
	Unit - 2	Collection of data / Organisation & Presentation	
		18	18
May	Unit - 3	Statistical Tool - Mean	
	Unit - 5	Development Policies	
		16	4
July	Unit - 3	Contd. - Median, Mode	
	Unit - 6	Economic Reforms	
		20	6
Aug	Unit - 3	Contd. - Dispersion correlation	
	Unit - 7	Current Challenges facing Indian Economy - Poverty	
		18	16
Sept	Unit - 7	Contd. - Unemployment	
		Human Capital Foundation	
		Revision for 1st Term Exams	
		18	8

IInd Term (October 2011 to February 2012)

Oct	Unit - 3	Contd. Index Numbers	
			6
Nov	Unit - 7	Contd. Rural Development Infrastructure, Sustainable Development	
			14
Dec	Unit - 8	Development Experience of India A comparison with neighbours	
			6
Jan / Feb	Revision		
	Total	100	100

PAPER PATTERN

Form of Question	No. of Question	Marks for each Questions	Total Marks
V.S.A.	10	1	10
S.A. - I	10	3	30
S.A. - II	6	4	24
L.A.	6	6	36
Total	32		100

SUBJECT - BUSINESS STUDIES

Ist Term (April 2011 to September 2011)

Month	Topic	I Term	II Term	
April	L-1	Nature & Purpose of Business	12	8
	L-2	Forms of Business Organisation (Sole trader, Partnership)	10	6
May	L-2	Forms of Business Organisation (Joint Hindu Family, Joint Stock Company, Co-operative Society)	10	6
July	L-3	Private, Public and Global Enterprises	12	8
	L-4	Business Services	14	10
Aug	L-5	Emerging modes of business	10	6
	L-6	Social Responsibility of Business & Business Ethics	10	6
Sept	L-7	Formation of a Company	12	7
		Project Work	10	
Total		100		

IInd Term (October 2011 to January 2012)

Oct	L-8	Sources of Business Finance	10	
	L-9	Small Business	7	
Nov	L-10	Internal Trade		10
	L-11	International Business		6
Dec / Jan	Revision + Viva (Practical)			10
Total				100

PAPER PATTERN

Form of Question	No. of Question	Marks for each Questions	Total Marks
V.S.A.	10	1	10
S.A. - I	5	3	15
S.A. - II	5	4	20
L.A. - I	5	5	25
L.A. - II		6	30
Total	30		100

SUBJECT - ACCOUNTANCY

Month	Topic	I Term	II Term
April	Introduction to Accounting	8	4
	Basic Accounting Terms		
	Accounting Principles	10	
	Double Entry System		
May	Accounting Standards		
	Process & Basis of Accounting	4	6
July	Accounting Equation	6	
	Journal	12	6
	Cash Book	8	6
Aug	Subsidiary Books		
	Ledger	8	4
	Trial Balance	6	4
	Bank Reconciliation Statement	6	6
Sept	Depreciation	10	8
	Financial Statement (Without adj)	12	4
	Project Work	10	
Oct	Financial Statements (With adj)		10
	Provisions & Reserves		4
Nov	Rectification of Errors		5
	Non-Profit Organisation		10
Dec	Bills of Exchange		8
	Computerized Accounting		5
	Project Work		10
Jan / Feb	Revision		
	Total	100	100

PAPER PATTERN

Form of Question	No. of Question	Marks for each Questions	Total Marks
Type I	10	1	10
Type II	1	2	2
fType III	1	3	3
type IV	2	4	8
type V	2	5	10
Type VI	3	6	18
Type VII	3	8	18
Type VIII	1	9	9
Type IX	1	16	16
Total	24		100

SUBJECT - FINE ART

Ist Term (April 2011 to September 2011)

Topic	I Term	II Term
THEORY :		
A. Art of Indus Valley: (Harappan & Mohenjo-daro) (2500 B.C. - 1500 B.C.)	15	5
(a) Introduction		
(b) Study of following sculptures & terracottas		
1. Dancing Girl (Mohenjo-daro)		
2. Male Torso (Harappa)		
3. Mother Goddess (Mohenjo-daro)		
(c) Study of following seal :		
1. Bull (Mohenjo-daro)		
(d) Study of earthen wares :		
1. Painted earthen ware (Mohenjo-daro)		
B. Buddhist, Jain & Hindu Art: (3rd Century B.C. - 8th Century A.D.)	15	5
1. General introduction to Mauryan Art, Shunga & Kushan Art, Gandhara Art		
2. Study of sculptures:		
(a) Lion capital from Sarnath (Mauryan Period)		
(b) Chauri bearer from Didargang (Mauryan Period)		
(c) Bodhisattva head from Taxila (Gandhara)		
(d) Seated Buddha from Khatwa Tila		
(e) Seated Buddha from Sarnath		
C. Introduction to Ajanta: Location, Period, No. of caves, Subject matters & Technique etc.	10	
D. Study of Painting Sculpture:		
(a) Padmapani Bodhisattva		
(b) Mara Vijaya		

PRACTICAL

- A. Nature & Object Study:
1. Natural & geometric forms
draw on pencil with light & shade
 2. Natural forms like plants, vegetables,
fruits & flowers etc. Draw in Art file
 3. Geometrical forms of objects
like cubes, cones, prisms,
cylinders sphere
- B. To create the forms & the color
schemes in imagination

1. Nature & Object Study	20
2. Painting Composition	20
3. Sessional Work	20

Total	100
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IIInd Term (October 2011 to March 2012)

THEORY

A. Temples, Sculpture, Bronze &

Inro Islamic Architecture:

15

1. Introduction to Template Sculpture
2. Study of following Sculpture
 - (a) Descent of Ganga
 - (b) Ravana Shaking Mount Kailash
 - (c) Trimurti
 - (d) Lakshmi Narayan
 - (e) Cymbal Player Sun Temple
 - (f) Mother & Child
3. Bronzes:
 - (i) Introduction
 - (ii) Study of bronzes:
 - (a) Natraj
 - (b) Devi (Uma)
4. Study of Indo Islamic Architercture

15

PRACTICAL

A. Painting Composition

1. Basic Design in geometric & Rhythmic shapes in primary & secondary colour
2. Sketches form life and nature with pastel colour, poster colour, pencil colour & water colour in Art file.

Practical:

- | | |
|--------------------------|----|
| 1. Nature & Object study | 20 |
| 2. Painting composition | 20 |
| 3. Sessional work | 20 |
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P SUBJECT - PHYSICAL EDUCATION

(CODE - 048)

Ist Term (April 2011 to September 2011)

Ch. No.	Topics	Weightage	
		I Term	II Term
PART - A			
1.	Concept of Physical Education	10	6
2.	Career Aspect in Physical Education	10	8
3.	Health Concepts of Physical Education	10	6
4.	Olympic Movement	10	6
5.	Sociological Aspect of Physical Education	10	6

PART - B

Unit - 1	History of the game/sport	2	2
	Latest general rules of the game	2	2
	Measurement of play field and Specifications	2	2
	Fundamental Skills of the game	2	2
	Related sports terminologies	2	2
Unit - 2	Important Tournamets & Venues	2	2
	Sports personalities	2	2
	Sports awards	2	2
	Various sports organizations	2	2
	First Aid & rehabilitation of sports injuries	2	2

IInd Term (October 2011 to November 2011)

6.	Measurement in Sports	6
7.	Physiological Aspect of Physical Education	6
8.	Changing Trends in Physical Education & Sports	6
	Total	70

SUBJECT - COMPUTER

Ist Term (April 2011 to September 2011)

Month	Topics	Weightage	
		I Term	II Term
April	Computer Fundamentals	10	10
May	General Programming Concept Problem Solving Methodology & concept Data Types Header Files	10	5
July	Programming by Example in C++ Using Turbo C++ Standard Input / Output Operation in C++	10	5
Aug	Variable, Constant, Operator & Expression Control Statement selective Switch case, break, exit ();	25	15
Sept	Control Statement Repeated	15	15
	Total	70	

IInd Term (October 2011 to January 2012)

Oct	Array, Built in Function		10
Nov	User defined function & structure		5
Dec	Revision		
Jan	Revision		
Practicals		10	10
1.	Programming in C++	05	5
2.	Practical File	10	5
3.	Viva Voce	05	10
4.	Project Work	30	70 (T)
			30 (P)
Total		100	100