

DELHI PUBLIC SCHOOL, SUSHANT LOK SA2
SYLLABUS OF CLASS XI (2016-17)

Subject: English

Subject Coordinator: Rachana Takshak

Maximum Marks: 80 + 20(ASL)

S. No.	Name of the Chapter/Unit	Weightage
1	Section-A (Reading) Note making and Summarizing Unseen Passage/Poem	(20 Marks)
2	Section-B (Writing and Grammar) Debate and Speech writing Job Applications Formal Letters <ul style="list-style-type: none"> ➤ Letter to the editor ➤ Enquiry Letter ➤ Letter of Placing orders ➤ Letter of reply ➤ Letter of complaints Newspaper / Magazine Report writing Classified Advertisements Article Writing Notice Writing Modals and Tenses Editing Task Re-ordering/ Transformation of sentences Change of Voice	(30Marks)
Section-C (Literature Textbooks and Novel)	<u>SNAPSHOTS:</u> The Summer of the Beautiful White Horse The Address Ranga's Marriage Albert Einstein at School Mother's Day Birth The Tale of Melon City <u>HORNBILL:</u> The Portrait of a Lady A Photograph Discovering Tut: the Saga Continues The Ailing Planet :the Green Movement's Role	(30 Marks)

	The Browning Version Mother's Day We're not afraid to Die.... Childhood The Voice of the Rain Father to Son The Canterville Ghost- Chapter 1-7.	
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Subject: Accountancy

Subject Coordinator: Ms. Inakshi

Maximum Marks: 90

ACCOUNTS		
S.NO	UNIT NAME	MARKS
1	Theoretical Framework	12
2	Accounting Process -	45
3	Financial Statements of Sole Proprietorship: From Complete Records	18
4	Financial Statements of Not For Profit Organisations	15
	Sub Total	90
	Project work	10
	Total	100

Subject: Business Studies

Subject Coordinator: Ms. Rahat Sharma

Maximum Marks: 90 + 10

S.No.	Name Of Chapter	Weightage
Chapter 1	Nature and purpose of business	4
Chapter 2	Forms of business organisations	12
Chapter 3	Private and global enterprises	8
Chapter 4	Business services	10
Chapter 5	Emerging modes of business	4
Chapter 6	Social responsibility of business and business ethics	6
Chapter 7	Sources of Business Finance	20
Chapter 8	Small Business	6
Chapter 9	Internal Trade	12
Chapter 10	International Business	8
	Project Work	10
	Total	100

Subject: Economics

Subject Coordinator: Ms. Savera Dayal

Maximum Marks: 100

S.No.	UNIT/CHAPTER	WEIGHTAGE
	PART A: STATISTICS FOR ECONOMICS	
1.	Introduction (Chapter 1)	} 15
2.	Collection and Organization (Chapters 2-4)	
3.	Statistical Tools and Interpretation (Chapters 9-13)	35
		50
	PART B: INDIAN ECONOMIC DEVELOPMENT	
4.	Development Experience: 1947-90 (Chapter 1-5)	13
5.	Economic Reforms since 1991 (Chapter 6)	10
6.	Current Challenges facing the Indian Economy (Chapters 7-11 & 13)	17
7.	Development Experience of India: A Comparison with Neighbours (Chapter 14) OTBA	10
		50

Subject: Psychology

Subject Coordinator: Ms. Neha

Maximum Marks: 70

S.No.	Unit No.	Unit Name	Weightage
1	2	Methods of Enquiry in Psychology	10
2	3	The Bases of Human Behavior	8
3	4	Human Development	6
4	5	Sensory , Attentional and Perceptual Processes	8
5	6	Learning	9
6	7	Human Memory	8
7	8	Thinking	7
8	9	Motivation and Emotion	7
9	8 (class 12)	Psychology and Life	7
		TOTAL	70

Subject: Computer Science

Subject Coordinator: Ms. Shalini Sharma

Maximum Marks: 70

CH-5	GENERAL OOP CONCEPTS	5
CH-6	GETTING STARTED WITH C++	5
CH-7	DATA HANDLING	10
CH-8	OPERATIONS & EXPRESSIONS IN C++	5
CH-9	FLOW OF CONTROL	10
CH-10	STANDARD LIBRARY FUNCTION	5
CH-11	USER DEFINE FUNCTION	8
CH-12	STRUCTURED DATA TYPE ARRAYS	8
CH-13	STRUCTURES	7
CH-14	PROGRAMMING METHODOLOGY	7

Subject: Maths

Subject Coordinator: Ms. Rachita Kumar

Maximum Marks: 100

S. NO.	NAME OF CHAPTERS	WEIGHTAGE(MARKS)
1.	Chapter 2 - Relations and Functions	4
2.	Chapter 3- Trigonometric Functions	11
3.	Chapter 4- Principle of Mathematical Induction	4
4.	Chapter 6- Linear Inequalities	5
5.	Chapter 7- Permutations and Combinations	10
6.	Chapter 8- Binomial Theorem	6
7.	Chapter 9- Sequences and Series -	14
8.	Chapter 10- Straight Lines	11
9.	Chapter 11- Conic Sections	11
10.	Chapter 12- Introduction to three Dimensional Geometry	4
11.	Chapter 13- Limits and Derivatives	11
12.	Chapter 16- Probability	9

Subject: Political Science

Subject Coordinator: Ms. Sanchana Srivastava

Maximum Marks: 100

S.No	Chapter name	Resource	Weight age
1	MAKING OF THE INDIAN CONSTITUTION	HAND OUT	
2	PREAMBLE AND THE SALIENT FEATURES OF THE INDIAN CONSTITUTION	HAND OUT	
3	FUNDAMENTAL RIGHTS	HAND OUT	
4	DIRECTIVE PRINCIPLES OF STATE POLICY AND FUNDAMENTAL DUTIES	HAND OUT	
5	UNIVERSAL ADULT FRANCHISE AND METHOD OF REPRESENTATION	HAND OUT	
6	ELECTORAL SYSTEM IN INDIA	HAND OUT	
7	UNION EXECUTIVE	HAND OUT	
8	THE PARLIAMENT OF INDIA	HAND OUT	
9	THE INDIAN FEDERAL SYSTEM	HAND OUT	
10	EMERGENCY PROVISIONS	HAND OUT	
11	EXECUTIVE IN THE STATES	HAND OUT	
12	STATE LEGISLATURES	HAND OUT	
13	JUDICIARY IN INDIA	NCERT BOOK CONSTITUTION AT WORK	
14	CONSTITUTION AS A LIVING DOCUMENT.	NCERT BOOK CONSTITUTION AT WORK	

Subject: Physics

Subject Coordinator: Mr. Guha

Maximum Marks: 70(Theory) + 30 (Practicals)

S.NO.	UNIT No.	UNIT NAME	WEIGHTAGE
1	II	KINEMATICS	8
2	III	LAWS OF MOTION	8
3	V	MOTION OF SYSTEM OF PARTICLES & RIGID BODY	13
4	VI	GRAVITATION	10
5	VII	PROPERTIES OF BULK MATTER (MECHANICAL PROPERTIES OF SOLIDS & FLUIDS)	18
6	X	OSCILLATIONS & WAVES	13

Subject: Graphic Design

Subject Coordinator: Ms. Prodipta Pal

Maximum Marks: 70(Theory) + 30 (Practicals)

Sl.No.	Chapter No.	Name of the Chapter/Unit	Weightage
1	1	Introduction to Graphic Design	12
2	2	Graphic Art, Design and Graphic Design	10
3	3	Elements and Principles of Graphic Design	11
4	6	Development of Script	15
5	7	Evolutions in Reprography	10
6	8	Movable Metal Type to Digital Imaging	12

Subject: Biology

Subject Coordinator: Ms. Mona Yadav

Maximum Marks: 70(Theory) + 30 (Practicals)

- UNIT. I- DIVERSITY IN THE LIVING WORLD Chapter 8
Chapter 1 : The Living World
Chapter 2 : Biological Classification
Chapter 3 : Plant Kingdom
- UNIT.II – Structural Organisation in Plants and Animals 8
Chapter - Morphology of Flowering Plants
Chapter - Structural Organisation in Animals
- UNIT.III- CELL : STRUCTURE AND FUNCTION 10
Chapter: Biomolecules
Chapter: Cell Cycle and Cell Division
- UNIT.IV- PLANT PHYSIOLOGY 20

Chapter: Transport in plants
Chapter: Mineral Nutrition

Chapter: Photosynthesis in Plants
Chapter: Respiration in Plants
Chapter:Plant Growth and Development
- UNIT.V- HUMAN PHYSIOLOGY 14

Chapter: Excretory Products and their Elimination
Chapter: Digestion and Absorption

Chapter: Breathing and Exchange of Gases
Chapter: Body Fluids and Circulation
- OTBA 10
Chapter: Locomotion and Movement
Chapter: Neural control and coordination
Chapter: Chemical Coordination and Integration

Subject: Multimedia
Subject Coordinator: Ms. Ruchika Thukral
Maximum Marks: 70

Unit 1. WEB DEVELOPMENT (HTML, XML and CSS)	(35)
Unit 2. WEB SCRIPTING (JavaScripting)	(30)
Unit 3. MULTIMEDIA AND AUTHORIZING TOOLS	(05)
Practicals – 30 marks	

Subject: Geography
Subject Coordinator: Ms. Preethi Malviya
Maximum Marks: 70

Fundamentals of Physical Geography:

1. L – 15, Life on Earth
2. L – 16, Bio-diversity and Conservation 10 marks

India : Physical Environment :

2. L-2, Structure and Physiography 10 marks
3. L-3, Drainage System 10 marks
4. L-4, Climate 5marks
5. L-5, Natural vegetation 10 marks
6. L-6, Soils 10 marks
7. L-7, Natural Hazards and Disasters 5 marks

OTB 10 marks

Practical: (30 marks)

1. L-5 Topographical Maps
2. L-8 Weather Instruments, maps and Charts

Subject: Chemistry

Subject Coordinator: Ms. Preetha

Maximum Marks: 70(Theory) + 30 (Practicals)

Unit.No	Name of the chapter	Marks
1.	Some Basic concepts of chemistry	3
2.	Structure of Atom	4
3.	Classification of Elements and Periodicity in properties (only variation in I.E, Electronegativity and electron gain enthalpy in a group and period)	4
4.	Chemical Bonding and Molecular Structure (only VSEPR theory, VBT, MOT, Dipole Moment)	8
5.	States of Matter	6
6.	Thermodynamics	6
7.	Equilibrium(selected topics)	5
8.	Redox Reactions	6
10.	s-block elements	3
11.	p-block elements	5
12.	Organic chemistry-Basic principles(Qualitative Analysis & purification techniques not included)	8
13.	Hydrocarbons	12
	Total	70

Subject: History

Subject Coordinator: Ms. Mamta Issar

Maximum Marks: 80

Sr No.	Chapter	Weightage
1.	From the Beginning of Time	50
2.	Writing and City Life	
3.	An Empire Across 3 Continents	
4.	The Three Orders	
5.	Changing Cultural Traditions	
6.	The Industrial Revolution	
7.	Displacing Indigenous Peoples	
8.	Bricks, Beads and Bones	25
9.	King, Farmers and Towns	05
10.	Map Work	

Subject: P.E

Subject Coordinator: Mr. Aditya Rao

Maximum Marks: 70

Unit.No	Name of the chapter
1	Changing trends and career in physical education
2	Physical Fitness, Wellness and Lifestyle
3	Olympic movement
4	Yoga
5	Doping
6	Physical activity environment
7	Test and Measurement in sports
8	Fundamental of anatomy and physiology
9	Biomechanics and sports
10	Psychology and sports
11	Training in sports

Subject: Fine Arts

Subject Coordinator: Ms. Sushama

Maximum Marks: 40

S.No.	Unit Name	Weightage
1	Ajanta painting	20
2	South Indian Sculpture	20
3	Page 40 – 71 Theory	