



# Delhi Public School Nashik

Academic year 2018-19

Syllabus

for

**GRADE: - XII Science**

Sr.No.	Subject	Page Number
1.	English	2-4
2.	Physics	5
3.	Chemistry	6
4.	Maths	7
5.	Biology	8
6.	Informatics Practices	9
7.	Physical Education	10-11



**Delhi public school Nasik**  
**Yearly Syllabus for the year 2018-19**  
**Grade XII – English**

Month	Syllabus/chapter	Activities	Writing Skills	Examination
March	The Last Lesson ( Flamingo)	Find out about the following: Linguistic human rights and Constitutional guarantees for linguistic minorities in India		
	My Mother At Sixty-Six(Flamingo)	Discussion: Ageing is a natural process; have you ever thought what our elderly parents expect from us?		
April	The Tiger King(Vistas)	Discussion: ‘ What is the general attitude of human beings towards wild animals?’	Reading Comprehension passage. Notice Writing. Advertisement. Speech writing.	
	The Enemy(Vistas)	Find out: How do geological phenomena help us to know about the history of humankind?		
	Novel: The Invisible Man: Introduction to the novel and novelist; Chapter 1 and 2	Discussion		
May	Lost Spring(Flamingo)	Discussion: The dreams of the poor and the reality. Problems of Child labour.	Note making and summarisation.	
	The Enemy (Vistas)			
June	Deep Water(Flamingo)	Gathering information on water sports	Article Writing	Pre Mid Term: The Last Lesson. My Mother At Sixty-Six. The Tiger King. Lost Spring. Novel: The Invisible Man: Chapter 1 and 2
	An Elementary School.....(Flamingo)( Poem)	Visit to an elementary school in a slum	Invitations and replies.	
	The Enemy(Vistas)	.		
	Novel: The Invisible Man: Chapter 3 to 8.	Discussion		
July	The Rat Trap(Flamingo)	Group Discussion: Human emotional needs and human behaviour.		

	Indigo(Flamingo)	Project: Bhopal gas Tragedy Or Narmada dam project in which lives of the poor have been affected. Find the facts of the case, present your arguments, suggest a possible settlement.		
	Should wizard hit Mommy(Vistas)	Discussion: Why is an adult's perspective on life different from that of a child's?	Letter of Enquiry	
	Novel: The Invisible Man: Chapter 9 to 15..	Discussion	Poster Making	
	Going Places(Flamingo)	Discussion: On a subject of immediate relevance to the life of school-leavers.	Report Writing.	
	A Thing of Beauty(Flamingo)(Poem)	Discussion: What pleasure does a beautiful thing give us? Are beautiful things worth treasuring?	Factual description.	
	On the face of it(Vistas)	Activity: Use your imagination to suggest another ending to the story.		
August	Novel: The Invisible Man: Chapter 16 to 21.	Discussion		
September	Aunt Jennifer's Tigers(Flamingo)(Poem)	Discussion: Other poems on tigers	Letter of Complaint, Order, Job Applications	Half Yearly exam: Lost Spring. Deep Water. The Enemy. An Elementary School.... The Rat Trap. Indigo. Should wizard hit Mommy. Novel: Chapter 3 to 15.
	Evans Tries an O-level	Discussion: Should criminals in prison be given the opportunity of learning and education?		
	Memories of Childhood	Discussion: It may take a long time for oppression to be resisted, but the seeds of rebellion are sowed early in life. Do you agree that injustice in any form cannot escape being noticed even by children?		
	Novel: The Invisible Man: Chapter 22 to 24.	Discussion		
October	Novel: The Invisible Man: Chapter 25 to 28.	Discussion		
November	Revision			

December	Revision			Post Mid Term: Going Places. A Thing of Beauty. On the face of it. Aunt Jennifer's Tigers. Evans Tries an O-level. Memories of Childhood. Novel: Novel: Chapter 16 to 21.
				Pre Board 1: Complete syllabus From the books Flamingo and Vistas. Novel: Chapter 1 to 28.
January	Revision			Pre Board 2: Complete Syllabus From the books Flamingo and Vistas. Novel: Chapter 1 to 28.
	Novel: The Invisible Man	Recapitulation of Novel: Discussion of theme, plot and characters.		



**Delhi public school Nasik**  
**Yearly Syllabus for the year 2018-19**  
**Grade XII – Physics**

Month	Topic		Test
	Part 1	Part 2	
<b>March</b>	Chp1. Electric charge and field	Chp 9. Ray Optics and Optical instruments	
<b>April</b>	Chp2. Electrostatic potential and capacitance	Chp 10. Wave Optics	
<b>May</b>	Chp 3. Current electricity	Chp 11 Dual nature of radiation and matter	
<b>June</b>	Chp 3. Current electricity Chp 4. Moving charges and magnetism	Chp 12. Atoms	Pre Mid-Term:- 25.06.2018 TO 29.06.2018 Part 1 : Chp 1,2, 3 Part 2. Chp 9, 10
<b>July</b>	Chp 4. Moving charges and magnetism Chp 5. Magnetism and matter	Chp 13. Nuclei	
<b>August</b>	Chp 6. Electromagnetic induction	Chp 14.Semiconductors	
<b>September</b>	Chp 7.Alternating current	Chp 15. Communication system	Half Yearly:-17.09.2018 TO 27.09.2018 Part 1: Chp. 1,2,3,4,5 Part 2: Chp. 9,10,11,12
<b>October</b>	Chap 8.Electromagnetic waves	Chp 15. Communication system	
<b>November</b>	Revision		Post Mid-Term:- 26.11.2018 TO 30.11.2018 Part 1: Chp: 6,7,8 Part 2: Chp.13, 14,15
<b>December</b>	Pre- Board 2		Pre Board 1:- 17.12.2018 TO 21.12.2018 (full Portion)
<b>January</b>	Pre- Board 3		Pre Board 2:- 25.01.2019 TO 31.01.2019 (full Portion)
<b>February</b>	Final Board Papers		



**Delhi public school Nasik**  
**Yearly Syllabus for the year 2018-19**  
**Grade XII – Chemistry**

Month	Topic	Practicals	Exam Syllabus
<b>March</b>	Unit 7. p block elements	Volumetric analysis	
<b>April</b>	Unit 8. d and f block elements	Preparation of organic compound	
		Preparation of inorganic compound	
<b>May</b>	Unit 15. Polymers	Test for functional group	
	Unit 16. Chemistry in everyday life (Self study)		
<b>June</b>	Unit 1. Solid State	Salt determination	Pre Mid Term - L No 7& 8
	Unit 2. Solutions	Thermodynamics Exp.	
<b>July</b>	Unit 9. Coordination Compounds	Salt determination	
	Unit 14. Biomolecules	Preparation of lyophilic and lyophobic sol	
<b>August</b>	Unit 3. Electrochemistry		
	Unit 4. Chemical Kinetics	Chemical Kinetics exp.	
	Unit 6. General Principles & processes of isolation of elements		
<b>September</b>	Unit 10. Haloalkanes and Haloarenes	Mid Term Practical Exam	Mid Term Exam - Lesson No 1,2,6,7,8,14,15 & 16
	Revision for mid term exam		
<b>October</b>	Unit 5. Surface Chemistry	Chromatography	
	Unit 11. Alcohols, phenols & ethers		
<b>November</b>	Unit 12. Aldehydes, ketones and carboxylic acids	Characteristic Tests of Carbohydrates, Fats and Proteins in Pure Samples and Their Detection in Given Food Stuffs	Post Mid Term Exam - Lesson No 3,4,9 & 10
	Unit 13. Organic compounds containing Nitrogen		
<b>December</b>	Revision (complete book)		Pre Board I
<b>January</b>	Revision (complete book)		Pre Board II
<b>February</b>	Revision (complete book)	Final Practical Exam	
<b>March</b>	BOARD EXAM		



**Delhi public school Nasik**  
**Yearly Syllabus for the year 2018-19**  
**Grade XII – Maths**

Month	Chapter no.	Chapter	Exam Syllabus
March	1	Relation and Function	
April	2	Inverse Trigonometric functions	
May/June	3	Matrices	Pre Mid Term syllabus : chapter 1,2
	4	Determinants	
	5	Continuity and differentiability	
July	6	Application of derivatives	
	7	Integrals	
	8	Application of integrals	
August	9	Differential Equations	
	10	Vector Algebra	
	11	Three dimensional geometry	
September	-----	Revision for Half yearly Examination	Half yearly Examination syllabus : chapter 1- 8
October	12	Linear Programming	
	13	Probability	
November		Revision	Post Mid Term syllabus : chapter 9,10
December		Pre Board 1	Full Syllabus
January		Pre Board 2	Full Syllabus
February		Board Papers	



**Delhi public school Nasik**  
**Yearly Syllabus for the year 2018-19**  
**Grade XII – Biology**

Month	Topic	Exam Syllabus
March	LESS.1: Reproduction in organisms	
April	Less. 2: Sexual reproduction in flowering plants	
May	Less. 3: Human reproduction	
June	Less. 4: Reproductive health	Pre Mid Term: L-1-4
	Less.5: Principles of inheritance and variation	
July	Less. 6: Molecular basis of inheritance	
	Less.7: Evolution	
August	Less.8: Human health & disease	
	Less.9: Strategies for enhancement in food production	
September	Less.10: Microbes in human welfare	
	Less. 11:Biotechnology-principles & processes	
	Less.12: Biotechnology - applications	
October	Less.13: Organisms and Populations	
	Less.14: Ecosystem	Mid term exam - lesson no 1-10
November	LESS.15: Biodiversity & Conservation	
	LESS.16: Environmental issues	
	Revision	Post mid term L-11-14
December	Revision & pb1	All 1-16 chapters
January	Revision & pb2	All 1-16 chapters
February	Revision	
March	Board exam	all 1-16 chapters





**Delhi public school Nasik**  
**Yearly Syllabus for the year 2017-18**  
**Grade XII Informatics Practices**

<b>Month</b>	<b>Topic/chapter</b>	<b>Exam Syllabus</b>
<b>March</b>	Ls. 1 Computer Networking Ls. 2 Open Source Concepts	
<b>April</b>	Ls 3 Java GUI Programming Revision Tour-I Ls. 4 Java GUI Programming Revision Tour-II Ls. 5 Java GUI Programming Revision Tour-III Ls. 6 More about Classes and Libraries	
<b>May</b>	Ls. 7 Concept of Inheritance	
<b>June</b>	Ls. 8 Database Connectivity of MySQL Ls 9. Web Application Development	
<b>July</b>	Ls. 10 HTML-I Basic HTML Elements Ls. 11 HTML-II List, Tables and Forms Ls. 12 XML-extensible Markup Language	
<b>August</b>	Ls. 13 MySQL Revision Tour Ls. 14 Database Transactions Ls. 15 More on SQL	
<b>September</b>	Ls. 16 Tables and Integrity Constraints Ls 17 IT Applications	Half Yearly:- 17.09.2018 TO 27.09.2018
<b>October</b>	Revision	
<b>November</b>	Revision	Post Mid-Term:- 26.11.2018 TO 30.11.2018
<b>December</b>	Pre- Board 2	Pre Board 1:- 17.12.2018 TO 21.12.2018 (full Portion)
<b>January</b>	Pre- Board 3	Pre Board 2:- 25.01.2019 TO 31.01.2019 (full Portion)
<b>February</b>	Final Board Papers	



**Delhi public school Nasik**  
**Yearly Syllabus for the year 2018-19**  
**Grade XII – Physical Education**

MONTH	TOPIC	EXAM DATE
MARCH	<p><b><u>UNIT-- I Planning in Sports</u></b></p> <ul style="list-style-type: none"> <li>* Meaning and Objectives of Planning.</li> <li>* Various Committees &amp; Responsibilities (pre,during&amp;post)</li> <li>* Tournament –Knock-out, League or Round Robin&amp; combination.</li> <li>* Procedure of Draw Fixtures – Knock- Out&amp; League.</li> <li>* Intramural &amp; Extramural- Meaning, Objectives &amp;Its Significance.</li> </ul>	
APRIL	<p>*Specific Sports Programme (Sports Day, Health Run, Run For Fun)</p> <p><b><u>UNIT—II SPORTS &amp; NUTRITION</u></b></p> <ul style="list-style-type: none"> <li>*Balanced Diet &amp; Nutrition: Macro&amp; Micro Nutrients.</li> <li>* Nutritive &amp; Non Nutritive Components of Diet.</li> <li>* Eating for Weight Control- A Healthy Weight,</li> <li>*Food supplement for children.</li> </ul>	
MAY & JUNE	<p><b><u>UNIT—III Yoga &amp; Lifestyle</u></b></p> <ul style="list-style-type: none"> <li>* Asanas as preventive measures</li> <li>*<b>Obesity</b>; Procedure ,Benefits &amp; contribution for Vajrasana ,Hastasana, Trikonasana, Ardh Matsyendrasana .</li> <li>*<b>Diabetes</b> : Procedure, Benefits &amp; contraindications for Bhujangasana ,Paschimottasana , Pavan Muktasana.</li> <li>*<b>Asthema</b> ; Procedure ,Benefits &amp; contribution for Sukhasana, Chakrasana, Gomukhasana , Bhujangasana ,Paschimottasana.</li> <li>*<b>Back Pain</b> : Tadasana, Ardh Matsyendrasana , Vakrasana, Shalabhasana, Bhujangasana.</li> </ul>	25-06-2018 TO 29-06-2018 PRE-MID TERM
JULY	<p><b><u>UNIT--- IV Physical Education &amp; Sports for Different-Abled:</u></b></p> <ul style="list-style-type: none"> <li>*Concept of Disability &amp; Disorder.</li> <li>* Types of Disability, Its cause &amp; nature (cognitive ,intellectual, Physical disability ) , * Disability Etiquettes,</li> <li>*Types of Disorder, Its cause &amp; nature (ADHS, SPD,ASD,ODD,OCD)</li> <li>* Advantages of Physical Activities for children with special need.</li> <li>*Strategies to make Physical Activities assessable for children with special need.</li> </ul>	
AUGUST	<p><b><u>UNIT—V Children &amp; SPORTS</u></b></p> <ul style="list-style-type: none"> <li>* Motor development and factors affecting it.</li> <li>* Exercise Guidelines at different stages of growth &amp;Development.</li> <li>* Advantages &amp;disadvantages of weight training.</li> <li>* Concept &amp; advantages of correct Posture, Cause of bad Posture.</li> <li>* Common Postural Deformities-Knock Knee, Flat Foot, Round Shoulders, Lordosis, Kyhosis, Bow legs and Scolioses.</li> <li>* Corrective Measures for Deformities.</li> </ul>	

SEPTEMBER	<b>UNIT – VI WOMEN &amp; SPORTS</b> * Sports participation of women in India. * Special consideration (Menarch& Menstrual Dysfunction). * Female Athletes Traid (Oestoperosis ,Amenoria, Eating Disorder) * Psychological aspect of women athlete. * Sociological aspect of Sports participation.	19-09-2018 TO 27-09-2018 HALF -- YEARLY
OCTOBER	<b>UNIT--- VII TEST &amp; MEASUREMENT IN SPORTS</b> *Computation of flat Percentage-Slaughter- Lohman—Formula; *Measurement of Muscular Strength—Kraus Weber Test. * Motor Fitness Test--- AAPHER, General Motor Fitness, * Measurement of Cardio Vascular Fitness, Harvard Step Test. *Computation of Fitness Index: Duration of Exercise in Sec X 100. *Rikli & Jones—Senior Citizen Fitness Test.	
NOVEMBER	<b>UNIT—VIII Physiology &amp; Sports</b> * Gender difference in physical & physiological parameters. *Physiological factor determining component of Physical Fitness. *Effect of exercise on Cardio Vascular System. * Effect of exercise on Respiratory System. * Effect of exercise on Muscular System * Physiological changes due to ageing. *Role of physical activity maintaining functional fitness in aged population.	26-11-2019 TO 30-11-2018 POST- MID TERM
DECEMBER	<b>UNIT—IX Sports Medicine</b> * Concept, Aims & Scope of Sports Medicine. *Sports injuries: Classification, Cause & Prevention. * First Aid – Aims & Objectives. * Management of injuries : Soft Tissue Injuries: * Bone & Joint Injuries: (Dislocation, Fractures, Stress Fracture).	17-12-2018 TO 21-12-2018 PRE- BOARD I
JANUARY	<b>UNIT—X Kinesiology, Biomechanics &amp; Sports</b> *Projectile & factors affecting Projectile Trajectory. * Newton’s Law of Motion& Its application in Sports. * Aerodynamics Principles, *Friction & Sports. * Introduction to Axes & Planes *Types of Movements ( Flexion,Extension,Adbuction&Adduction) *Major Muscles involved in Running, Throwing&Jumping.	25-01-2019 TO 31-01-2019 PRE- BOARD II
FEBRUARY	<b>UNIT ---XI Psychology &amp; Sports</b> *Understanding Strees & Coping Strategies *Personality; its definition & types- Trait & Type, Big Five Theory. *Motivation , its type & techniques, Self Esteem & Body Image. *Psychological benefits of exercise. *Meaning, Concept & Types of Aggressions in Sports.	
FEBRUARY & MARCH	<b>UNIT--- XII Training in Sports</b> *Strength--- Definition, types & methods of improving Strength. * Endurance- Definition, types & methods to develop Endurance. * Speed—Definition, types & methods to develop Speed. *Flexibility-- Definition, types & methods to develop flexibility. * Coordinative Abilities --- Definition & types. *Circuit Training & High Altitude Training; Introduction& its impact.	