



APEEJAY SCHOOL, PITAMPURA

CLASS - XI

SYLLABUS 2018-19 SCIENCE STREAM

SUBJECT	UT - 1 (May) (20 Marks)	UT - 2 (July) (20 Marks)	HALF YEARLY (Sept.) (100 Marks) (Theory + Practical)	Pre-Board (1) (100 Marks) (Theory + Practical)	Pre-Board (2) Theory
ENGLISH	Flamingo-The Last Lesson, Lost Spring, My Mother At Sixty Six(Poem). Vistas-The Tiger King. Writing Skills- Invitation, Advertisement,Speech,Formal Letter	Flamingo- Deep Water, The Rattrap, An Elementary School Classroom In a Slum(Poem). Vistas-The Enemy. Writing Skills- Poster , Article,Speech,Formal Letter.	Flamingo-The Last Lesson, Lost Spring, Deep Water, The Rattrap, Indigo, My Mother At Sixty Six, An Elementary School Classroom In a Slum, Keeping Quiet.(Poems) Vistas- The Tiger King, The Enemy, Should Wizard Hit Mommy, On The Face Of It. Unseen Passage,Note Making,Formal Letter, Invitation and Replies, Advertisements, Notice,Poster,Article. Speech, Debate, Report. Any one Novel from- The Invisible Man OR Silas Marner	Flamingo-The Last Lesson, Lost Spring, Deep Water, The Rattrap, Indigo, Going Places. My mother At Sixty Six, An Elementary School Classroom In a Slum, Keeping Quiet, A thing of Beauty, Aunt Jennifer's Tigers. (Poems)Vistas-Tiger King, The Enemy, Should Wizard Hit Mommy, On The Face Of It, Evans tries An O- Level, Memories of Childhood. Unseen Passage,Note Making,Formal Letter, Invitation and Replies, Advertisements, Notice,Poster,Article. Speech, Debate,Report Novel- THE INVISIBLE MAN OR SILAS MARNER	Flamingo-The Last Lesson, Lost Spring, Deep Water, The Rattrap, Indigo, Going Places. My mother At Sixty Six, An Elementary School Classroom In a Slum, Keeping Quiet, A thing of Beauty, Aunt Jennifer's Tigers. (Poems) Vistas-Tiger King, The Enemy, Should Wizard Hit Mommy, On The Face Of It, Evans tries An O- Level, Memories of Childhood. Unseen Passage,Note Making,Formal Letter, Invitation and Replies, Advertisements, Notice,Poster,Article. Speech, Debate, Report Novel- THE INVISIBLE MAN OR SILAS MARNER
MATHS	1. Inverse Trigonometric Functions 2. Matrices 3. Determinants	1. Continuity and Differentiability 2. Relations and Functions	1. Relations and Functions 2. Inverse Trigonometric Functions 3. Matrices 4. Determinants 5. Continuity and Differentiability 6. Applications of Derivatives 7. Integrals 8. Applications of the Integrals 9. Differential Equations	1. Relations and Functions 2. Inverse Trigonometric Functions 3. Matrices 4. Determinants 5. Continuity and Differentiability 6. Applications of Derivatives 7. Integrals 8. Applications of the Integrals 9. Differential Equations 10. Vectors 11. Three dimensional Geometry 12. Linear Programming 13. Probability	1. Relations and Functions 2. Inverse Trigonometric Functions 3. Matrices 4. Determinants 5. Continuity and Differentiability 6. Applications of Derivatives 7. Integrals 8. Applications of the Integrals 9. Differential Equations 10. Vectors 11. Three dimensional Geometry 12. Linear Programming 13. Probability

PHYSICS	Chapter–1: Electric Charges and Fields Chapter–2: Electric potential and capacitance	Chapter–3: Current electricity Chapter–4: Moving charges and magnetism	Chapter–1: Electric Charges and Fields Chapter–2: Electric potential and capacitance Chapter–3: Current electricity Chapter–4: Moving charges and magnetism Chapter–5: Magnetism and matter Chapter–6: Electromagnetic Induction Chapter–7: Alternating Current Chapter–8: Electromagnetic Waves Chapter–9: Ray Optics	Chapter–1: Electric Charges and Fields Chapter–2: Electric potential and capacitance Chapter–3: Current electricity Chapter–4: Moving charges and magnetism Chapter–5: Magnetism and matter Chapter–6: Electromagnetic Induction Chapter–7: Alternating Current Chapter–8: Electromagnetic Waves Chapter–9: Ray Optics Chapter–10: Wave Optics Chapter–11: Dual nature of matter and radiation Chapter–12: Atoms Chapter–13: Nuclei Chapter–14: Semi Conductor Electronics Chapter–15: Communication System	Chapter–1: Electric Charges and Fields Chapter–2: Electric potential and capacitance Chapter–3: Current electricity Chapter–4: Moving charges and magnetism Chapter–5: Magnetism and matter Chapter–6: Electromagnetic Induction Chapter–7: Alternating Current Chapter–8: Electromagnetic Waves Chapter–9: Ray Optics Chapter–10: Wave Optics Chapter–11: Dual nature of matter and radiation Chapter–12: Atoms Chapter–13: Nuclei Chapter–14: Semi Conductor Electronics Chapter–15: Communication System
CHEMISTRY	Unit I: Solid State Unit II: Solutions	Unit III: Electrochemistry Unit V: Surface Chemistry	Unit I: Solid State Unit II: Solutions Unit III: Electrochemistry Unit IV: Chemical Kinetics Unit V: Surface Chemistry Unit X: Haloalkanes and Haloarenes. Unit XI: Alcohols, Phenols and Ethers Unit XII: Aldehydes, Ketones and Carboxylic Acids Unit XIII: Organic compounds containing Nitrogen	Unit I: Solid State Unit II: Solutions Unit III: Electrochemistry Unit IV: Chemical Kinetics Unit V: Surface Chemistry Unit VI: General Principles and Processes of Isolation of Elements Unit VII: p-Block Elements Unit VIII: d and f-block elements Unit IX: Coordination Compounds Unit X: Haloalkanes and Haloarenes Unit XI: Alcohols, Phenols and Ethers Unit XII: Aldehydes, Ketones and Carboxylic Acids Unit XIII: organic compounds containing Nitrogen. Unit XIV: Biomolecules Unit XV: Polymers Unit XVI: Chemistry in everyday life.	Unit I: Solid State Unit II: Solutions Unit III: Electrochemistry Unit IV: Chemical Kinetics Unit V: Surface Chemistry Unit VI: General Principles and Processes of Isolation of Elements Unit VII: p-Block Elements Unit VIII: d and f-block elements Unit IX: Coordination Compounds Unit X: Haloalkanes and Haloarenes Unit XI: Alcohols, Phenols and Ethers Unit XII: Aldehydes, Ketones and Carboxylic Acids Unit XIII: organic compounds containing Nitrogen. Unit XIV: Biomolecules Unit XV: Polymers Unit XVI: Chemistry in everyday life.
BIOLOGY	Chapter-1: Reproduction in Organisms Chapter-2: Sexual Reproduction in Flowering Plants Chapter-3: Human Reproduction	Chapter-4: Reproductive Health Chapter-5: Principles of Inheritance and Variation Chapter-6: Molecular Basis of Inheritance	Unit-VI Reproduction Unit-VII Genetics and Evolution Unit-VIII Biology and Human Welfare	Unit-VI Reproduction Unit-VII Genetics and Evolution Unit-VIII Biology and Human Welfare Unit-IX Biotechnology and Its Applications Unit-X Ecology and Environment	Unit-VI Reproduction Unit-VII Genetics and Evolution Unit-VIII Biology and Human Welfare Unit-IX Biotechnology and Its Applications Unit-X Ecology and Environment

PHY. EDUCATION	Unit-I Planning in sports Unit-III Yoga and lifestyle	Unit-V Children & sports Unit-VI Women & sports	Unit-I Planning in sports Unit-III Yoga & Lifestyle Unit-V Children & sports Unit-VI Women & sports Unit-VII Test & measurement in sports Unit-IX Sports medicine	Unit-I Planning in sports Unit-II Sports & nutrition Unit-III Yoga & Lifestyle Unit-IV Physical education & sports for differently abled Unit-V Children & sports Unit-VI Women & sports Unit-VII Test & measurement in sports Unit-VIII Physiology & sports Unit-IX Sports medicine Unit-X Kinesiology, Biomechanics & sports Unit-XI Psychology & sports Unit-XII Training in sports PRACTICAL- 1. Physical fitness(10 marks) 2. Game skill (10 marks) 3. Viva (5 marks) 4. Record file (5 marks)	Unit-I Planning in sports Unit-II Sports & nutrition Unit-III Yoga & Lifestyle Unit-IV Physical education & sports for differently abled Unit-V Children & sports Unit-VI Women & sports Unit-VII Test & measurement in sports Unit-VIII Physiology & sports Unit-IX Sports medicine Unit-X Kinesiology, Biomechanics & sports Unit-XI Psychology & sports Unit-XII Training in sports
HOME SCIENCE	Chapter 3 - Influences on identity formation Chapter 4 - Specific Issues and concerns	Chapter 9 - Planning meals for the family Chapter 10 - Modification of diet (Pregnancy and Lactation)	Unit I - Human development : Lifespan approach (Part II) Unit II - Nutrition for self, family and community Unit III - Money management and consumer education Unit V - Community development and extension (Part II)	Unit I - Human development : Lifespan approach (Part II) Unit II - Nutrition for self, family and community Unit III - Money management and consumer education Unit IV - Apparel : Designing, selection and care Unit V - Community development and extension (Part II) Unit VI - Career options after Home Science education	Unit I - Human development : Lifespan approach (Part II) Unit II - Nutrition for self, family and community Unit III - Money management and consumer education Unit IV - Apparel : Designing, selection and care Unit V - Community development and extension (Part II) Unit VI - Career options after Home Science education
MMWT	Unit 1: Introduction to Database Unit 3: Web Page Development Chapter 2 Review of Java Script I Chapter 3 Review of Java Script II	Unit 3: Web Page Development Chapter 4 Introduction to PHP Chapter 5 Expression and Operators in PHP Chapter 6 Built-in Functions in PHP Chapter 7 Branching in PHP	Unit 1: Introduction to Database Unit 3: Web Page Development	Unit 1: Introduction to Database Unit 2: Networking and Open Standards Unit 3: Web Page Development Unit 4: MultiMedia & Authoring Tools	Unit 1: Introduction to Database Unit 2: Networking and Open Standards Unit 3: Web Page Development Unit 4: MultiMedia & Authoring Tools
COMPUTER SC.	1. C++ REVISION TOUR 2.OOPL 3. FUNCTION OVERLOADING 4.CLASSES & OBJECTS 5. CONSTRUCTORS & DESTRUCTORS	6. INHERITANCE 7 . DATA FILE HANDLING 8. POINTERS	1. C++ REVISION TOUR 2.OOPL 3. FUNCTION OVERLOADING 4.CLASSES & OBJECTS 5. CONSTRUCTORS & DESTRUCTORS 6. INHERITANCE 7 . DATA FILE HANDLING 8. POINTERS 9.ARRAYS 10. LINKED LIST, STACK & QUEUES	1. C++ REVISION TOUR 2.OOPL 3. FUNCTION OVERLOADING 4.CLASSES & OBJECTS 5. CONSTRUCTORS & DESTRUCTORS 6. INHERITANCE 7 . DATA FILE HANDLING 8. POINTERS 9.ARRAYS 10. LINKED LIST, STACK & QUEUES 11. DATABASE CONCEPTS 12 SQL 13 BOOLEAN ALGEBRA 14 COMMUNICATION & NETWORK CONCEPTS	1. C++ REVISION TOUR 2.OOPL 3. FUNCTION OVERLOADING 4.CLASSES & OBJECTS 5. CONSTRUCTORS & DESTRUCTORS 6. INHERITANCE 7 . DATA FILE HANDLING 8. POINTERS 9.ARRAYS 10. LINKED LIST, STACK & QUEUES 11. DATABASE CONCEPTS 12 SQL 13 BOOLEAN ALGEBRA 14 COMMUNICATION & NETWORK CONCEPTS