**Vidhya Sagar School**

Syllabus for Class 12th (Math)

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| **Subject** | **PT - 1** | **Half Yearly** | **PT - 2** | **Annual** |
| **English** | **Flamingo – The Last Lesson****Vistas: The Tiger King****Grammar –** **1. Transformation of Sentence** **2. Notice writing.****3. Letter to editor** | **Flamingo:Prose****1. The Last Lesson****2. Lost Spring****3. Deep Water****4. The Rat Trap****Poetry:****1. My Mother at Sixty Six****2. An Elementary School****Vistas:****1. The Third Level****2. The Tiger King****3. The Enemy****Grammar****1. Factual passages, e.g., instructions, descriptions, reports****2. Descriptive passages involving opinion, e.g., argumentative, persuasive or interpretative text.****3. Note making.****4. Advertisements and notices, designing or drafting posters, writing formal and informal invitations and replies. One question out of the two Short Answer Questions** | **Flamingo: 1. Indigo.****2. Going Places****Vistas:****1. Should Wizard Hit Mommy****2. On the Face of It****Grammar** **1. Summary** **2. Business or official letters (for making enquiries, registering complaints, asking for and giving information, placing orders and sending replies)****3. Two compositions based on visual and/or verbal Input may be descriptive or argumentative in nature such as an article/a debate/ a speech or a report-** | **Entire Syllabus of Flamingo and Vistas****Flamingo:Prose****1. The Last Lesson****2. Lost Spring****3. Deep Water****4. The Rat Trap****5. Indigo****7. Going Places****Poetry:****1. My Mother at Sixty Six****2. An Elementary School****3. Keeping Quiet****4. A Thing of Beauty****5. Aunt Jenifer’s Tigers****Vistas:****1. The Third Level****2. The Tiger King****3. The Enemy****4. Should Wizard Hit Mommy****5. On the Face of It****6. Evans Tries On O-Level****7. Memories of childhood****Grammar****1. Factual passages, e.g., instructions, descriptions, reports****2. Descriptive passages involving opinion, e.g., argumentative, persuasive or interpretative text.****3. Literary passages, e.g., extract from fiction, drama, poetry, essay or biography.****4. Note making****5. Summary** **6. Advertisements and notices, designing or drafting posters, writing formal and informal invitations and replies. One question out of the two Short Answer Questions****7. Letters based on verbal/visual input.- One question out of the two Long Answer Questions to be answered in 120-150 words*** **Business or official letters (for making enquiries, registering complaints, asking for and giving information, placing orders and sending replies)**
* **Letters to the editor (giving suggestions or opinion on issues of public interest) Application for a job**

**8. Two compositions based on visual and/or verbal Input may be descriptive or argumentative in nature such as an article/a debate/ a speech or a report-** |
| **Math** | Matrices, Continuity and Differentiability | Chapter 2 to 6(Inverse trigonometric function to application of derivative, Integrals and vector algebra) | Chapter 8 and chapter 9Application of integers and Differential equation | Full course |
| **Physics** | **Ch 1:** Electrostatic**Ch 2:** Electric potential and capacitor**Ch 3:** Electricity | **Ch 1:** Electrostatic**Ch 2:** Electric potential and capacitor**Ch 3:** Electricity**Ch 4:** Magnetic field**Ch 5:** Magnetism and matter | **Ch 6:** Motional EMF (Electromagnetic induction)**Ch 7:** Alternating current**Ch 8:** E-M wave | Full course |
| **Chemistry** | Ch 2: Solutions | Ch 2: SolutionsCh 3: ElectrochemistryCh 4: Chemical kineticsCh 10: Haloalkanes and HaloarenesCh 11: Alcohols, Phenols and EthersCh 12: Aldehydes, ketones and carboxylic acidsAminesCh 15: Polymers | Ch 13: Organic compounds containing nitrogen Ch 16: Chemistry in everyday life | Full course |
| **Physical Education** | **Ch 1:** Planning in sports**Ch 2:** Sports and nutrition**Ch 3:** Yoga and lifestyle | **Ch 1:** Planning in sports**Ch 2:** Sports and nutrition**Ch 3:** Yoga and lifestyleCh 4: Physical education and sports for differently abled**Ch 5:** Children and sports**Ch 6:** Women and sports | **Ch 7:** Test and measurement in sports**Ch 8:** Physiology and sports**Ch 9:** Sports medicine | Full course |