



Inspiration Public School, Kathgodam

Syllabus for Viva **Class – XI -Science**

Subject	Topics
Biology	<ul style="list-style-type: none">• Endocrinology: Major Glands and their Hormones• Respiration Processes: Breathing and Gaseous Exchange• Mechanism of Photosynthesis, Photorespiration• Glycolysis• Aerobic Respiration –Kreb’s cycle• Electron Diplomatic transport system• Enzymes• Cell division: Mitosis and Meiosis• Basic of classification in animal kingdom• Life cycle patterns: Haplontic, Haplodiplontic and Diplontic
Physics	<ul style="list-style-type: none">• Elasticity• Fluid Mechanics• Kinetic Theory of Gases• Thermal properties of matter• Thermodynamics• Oscillations• Introduction to waves• Principle of Superposition• Plane progressive waves• Stationary waves
Chemistry	<ul style="list-style-type: none">• Concentration Term• Quantum Numbers• De Broglie Equations• Molecular Orbital Theory• Periodic Properties• Gas Law• Reversible and Irreversible Work• Relation between Kp and Kc• Inert Pair Effect• Naming Reactions

Physical Education	<ul style="list-style-type: none"> • Asanas : Procedure, benefits and contraindication for any 5 asanas. (5 topics) • BMI : Computation and category <p>WHR: Computation and category (2 topics)</p> <ul style="list-style-type: none"> • Game/Sports: Any one game of your choice out of the list- Basketball, Football, Kabaddi, Kho-Kho, Volleyball, Handball, Hockey, Cricket, Unified basketball, Skating, Swimming, Boxing. • Labelled diagram of field and equipment • Rules and regulations • Terminologies and skills • List of the tournaments and awards (5 topics)
I.P.	<ul style="list-style-type: none"> • MySQL • Python Programming
Hindi	<p>Listening - 1. कोई भी एक गद्य खण्ड (इसी आधार पर पाँच प्रश्न)</p> <p>Speaking -</p> <ul style="list-style-type: none"> • कविता (देश प्रेम, प्रकृति) • कहानी • परिचय • घटना • शायरी
Maths	<ul style="list-style-type: none"> • All Formulas