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|  Syllabus for Entrance Examination  |

 (Class: - 4th)

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| HINDI | ENGLISH  | MATHEMATICS  |
| vifBr x|ka’k | Comprehension Passage | 1. Addition2. Subtraction3. Multiplication4. Division |

 (Class: - 5th)

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| HINDI | ENGLISH | MATHEMATICS |
| vifBr x|ka’k  | Comprehension Passage | 1. Addition2. Subtraction3. Multiplication4. Division |

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|  Syllabus for Entrance Examination  |

(Class: - 6th)

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|  Hindi English Mathematics1. vuqPNsnu ys[ku 1. Paragraph Writing 1. HCF and LCM
2. fp= O;k[;k 2. Picture composition 2. Basic operations on Fractional Number
3. iBu dkS’ky 3. Reading Skill 3 Decimals

 4. Triangles |

 (Class: - 7th)

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|  Hindi English Mathematics1. vuqPNsnu ys[ku 1. Paragraph Writing 1. Fractions
2. fp= O;k[;k 2. Picture composition 2. Decimals Number
3. iBu dkS’ky 3. Reading Skill 3. Mensuration

 4. Ratio and Proportion |

 (Class: - 8th)

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|  Hindi English Mathematics1. vuqPNsnu ys[ku 1. Paragraph Writing 1. Fractions and Decimals
2. fp= O;k[;k 2. Picture composition 2. The triangle and its Properties
3. iBu dkS’ky 3. Reading Skill 3. Perimeter and area

 4. Exponents and Power |

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**Note: Each subject will carry 25 marks.**

(Class: - 9th)

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| Hindi 1. vuqPNsnu ys[ku ¼60&80 ‘kCn½ 10 vad
2. vifBr x|ka’k 10 vad
3. ladsr fcUnwvksa ij vk?kkfjr vuqPbsn iwjk djukA ¼ 60&80 ‘kCn½ 05 vad

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| English 1. Reading comprehension (unseen passage) [10 Marks] 2. Guided composition (60-80 words) [08 marks] 3. Paragraph writing (60-80 words) [07 Marks] |

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| **Mathematics** **1.** Linear equations in one variable **2**. Square and Square Roots **3.** Algebraic Expression and Identification **4**. Mensuration |
|  **Type of Questions*** **Very short Answer Questions [1 Mark]**
* **Short Answer Question [2 Marks]**
* **Short Answer Question [3 Marks]**
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| **Science** **1.** Crop Production and Management  **2.** Materials : Metals and Non-Metals **3.** Coal and Petroleum **4.** Cell- Structure and Function **5.** Stars and The Solar System |

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 (Class: - 11th)

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| Science (Physics, Chemistry, Biology) (Maximum Marks: 30) |
| Note : Type of Questions* Very Short Answer Questions [1 Mark]
* Short Answer Questions [2 Marks]
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| Biology: 1. Life Processes 2. Heredity and EvolutionChemistry: 1. Chemical Reactions 2. Periodic Classification of elementsPhysics: 1. Current Electricity 2. Reflection & Refraction  |

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| Mathematics: (Maximum Marks: 30) |
| Note: Type of Question* Very Short Answer Questions [1 Mark]
* Short Answer Questions [2 Marks]
* Short Answer Questions [2 Marks]
1. Quadratic Equations 2. Arithmetic Progressions
2. Co-ordinate Geometry 4. Area related to Circles
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| English: (Maximum Marks :30) |
| 1. Reading Comprehensions (Unseen passage) [15 Marks]
2. Guided Composition (80-100 words) [15 Marks]
3. Paragraph Writing (80-100 words) [10 Marks]
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 **(Class- 12th)**

* **Each Subject will carry 20 Marks.**
* **Type of question for (Physics, Chemistry, Maths, Biology, I.P.)**
	+ - * + **Very Short Answer Questions [1 Marks]**
				+ **Short Answer Questions [2 Marks]**

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| Biology |
| 1. Biological Classification 2. Cell: The Unit of Life 3. Photosynthesis in Higher Plants4. Respiration in plants 5. Digestion and Absorption 4. Body Fluids and Circulation |

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| Chemistry |
| 1. Structure of Atom 2. Classification of elements & periodicity in properties3. Chemical bonding and molecular structure 4.Organic Chemistry – Some basic principles and techniques5. Hydrocarbons  |

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| Physics |
| 1. Kinematics 2. Laws of Motion 3. Work, Power & Energy4. Gravitation 5. Properties of matter 4. Oscillations |

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| Mathematics |
| 1. Complex number and Quadratic Equations 2. Permutations and combinations3. Binomial Theorem 4. Limits and Derivations |

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| IP |
| 1. Hardware Concepts 2. Software Concepts 3. Programming Fundamentals 4. Introduction to MySQL 5. MySQL |

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| English |
| 1. Reading Comprehension [10 Marks]2. Guided Composition (80-100 words) [10 Marks] |