

## Portion for Half Yearly Examination

### Class – XII (Science)

S.No	Subject	Portion
1	English	<p><b>Reading comprehension:</b> (Two passages) Unseen passages (Factual, descriptive, discursive, literary or persuasive) Creative writing skills: 1. Notice writing 2. Classified advertisements 3. Letter to the editor 4. Article writing</p> <p><b>Literature:</b> Literary prose/ poetry extracts (seen- text) Questions based on text: Flamingo: (Prose) 1. The Last Lesson 2. Lost Spring 3. Deep Water</p> <p><b>(Poetry)</b> 1. My mother at 66 2. An Elementary School Classroom in a Slum 3. Keeping Quiet</p> <p><b>Vistas: (Prose)</b> 1. The Third Level 2. The Enemy</p>
2	Maths (Applied)	<p>Chapter : Numbers and Quantifications Chapter : Numerical Applications Chapter : Matrices Chapter : Determinants Chapter : Applications of Derivatives</p>
3	Maths (Standard)	<p>Chapter 1 : Relations and Functions Chapter 2 : Inverse Trigonometry Chapter 3 : Matrices Chapter 4 : Determinants Chapter 5 : Continuity and Differentiability Chapter 6 : Applications of Derivatives Chapter 12 : Linear Programming Problems</p>

4	Science	<p><b>Physics</b></p> <p>Unit-1 Electrostatics Chapter – 1: Electric charges and Fields Chapter – 2: Electrostatics potential and Capacitance</p> <p>Unit-2 Current Electricity Chapter – 3: Current Electricity</p> <p>Unit-3 Magnetic effect of Current and Magnetism Chapter – 4: Moving charges and Mechanism Chapter – 5: Mechanism and Matter</p> <p>Unit-4 Electromagnetic Induction and Alternating Currents Chapter – 6: Electromagnetic Induction Chapter – 7: Alternating Currents</p> <p><b>Chemistry</b></p> <p>Chapter – 1 Solid State Chapter – 2 Solutions Chapter – 7 p-Block Elements Chapter – 10 Haloalkanes and Haloarenes Chapter – 11 Alcohols, Phenols and Ethers Chapter – 14 Biomolecules</p> <p><b>Biology</b></p> <p>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</p>
5	Computer Science	<p><b>Unit I:</b> Computational Thinking and Programming-2 1. Revision of Python topics covered in Class XI 2. Functions 3. Data File Handling (Text Files, Binary Files &amp; CSV)</p> <p><b>Unit III:</b> Database Management 1. Database Concept 2. MySQL (DDL &amp; DML)</p>
6	IP	<p><b>Unit 1:</b> Data Handling using Pandas and Data Visualization 1. Data Handling using Pandas-I 2. Data Handling using Pandas-II 3. Data Visualization</p> <p><b>Unit 4:</b> Societal Impacts</p>
7	Physical Education (5 <sup>th</sup> & 6 <sup>th</sup> Paper)	<p><b>Unit 1</b> Planning in sports <b>Unit 2</b> Sports and Nutrition <b>Unit 4</b> Children and women in Sports <b>Unit 6</b> Test and Measurement in Sports <b>Unit 8</b> Biomechanics and Sports</p>

8	Fine Art	<ol style="list-style-type: none"> <li>1. The Indian miniature painting</li> <li>2. The Rajasthani school- <ul style="list-style-type: none"> <li>.Origin and development</li> <li>.sub schools</li> <li>.main features of Rajasthani school</li> <li>. Study of paintings</li> </ul> </li> <li>3. The Pahari school</li> <li>4. The Mughal school</li> <li>5. The Deccan school</li> </ol>
9	HVM	<p>Definitions... Alankar, Varna, kan, Meend, khatka, murki Gamak, Gram, Murchana, aalap, Taan</p> <p>Detailed description of Rag Malkauns and Rag Sudh Sarang Taal...Rupak,Jhaptal Life sketch of Ustaad Bade Ghulam Ali Khan</p>