

## ENTRANCE EXAM PORTION (2018- 2019)

### For Grade 12 admission

S.NO	SUBJECT	PORTION
1.	English	<p>SECTION-A READING</p> <ul style="list-style-type: none"> <li>Unseen Passage for comprehension</li> </ul> <p>SECTION-B WRITING and GRAMMAR</p> <ul style="list-style-type: none"> <li>Short compositions notices / posters/ advertisements/ invitations and replies</li> <li>Long compositions Letter writing / writing articles/ reports/speeches–</li> <li>Integrated Grammar tasks- (sentence re-ordering/ gap filling/ error Corrections/ omissions/ sentence completion) based on parts of Speech, prepositions, conjunctions determiners, reported speech, Clauses, voice, tenses etc.</li> </ul>
2.	Mathematics	<ol style="list-style-type: none"> <li>Sets</li> <li>Relations and Functions</li> <li>Trigonometry</li> <li>Linear inequalities</li> <li>Permutations and Combinations</li> <li>Straight lines</li> <li>Conic Sections</li> <li>Three dimensional geometry</li> <li>Limits and Derivatives</li> <li>Probability</li> </ol>
3.	Chemistry	<ol style="list-style-type: none"> <li>Some Basic Concepts Of Chemistry</li> <li>Structure Of Atom</li> <li>Classification Of Elements &amp; Periodicity In Properties</li> <li>Bonding &amp; Molecular Structure</li> <li>States Of Matter</li> <li>Thermodynamics</li> <li>Equilibrium</li> <li>Redox Reactions</li> <li>Hydrogen</li> <li>The s -Block Elements</li> </ol>

		<p>11) The p -Block Elements</p> <p>12)Organic Chemistry-Some Basic Principles &amp; Techniques</p> <p>13) Hydrocarbons</p> <p>14) Environmental Chemistry</p>
<b>4.</b>	Physics	<p>1.Motion in a Straight Line</p> <p>2.Laws of Motion</p> <p>3.Work Power and Energy</p> <p>4.Gravitation</p> <p>5.Oscillations</p> <p>6.Waves</p>
<b>5.</b>	Biology	<p>Unit : Cell : Structure and Functions [3 Chapters]</p> <p>Unit : Plant Physiology [5 Chapters]</p> <p>Unit : Human Physiology [7 Chapters]</p>
<b>6.</b>	Economics	<p>1.Standard Deviation</p> <p>2. Index numbers</p> <p>3.Correlation</p> <p>4.Economic Reforms Since 1991</p> <p>5.Infrastrucutre</p> <p>6.Human capital formation</p>
<b>7.</b>	Accountancy	<p>1. Theory Base of Accounting</p> <p>2. Journal</p> <p>3. Depreciation</p> <p>4. Rectification of errors</p> <p>5. Financial Statements with adjustment</p>
<b>8.</b>	Computer Science	<p>1. Data representation</p> <p>2. Flow of control</p> <p>3. Arrays</p> <p>4. structures</p>
<b>9.</b>	Information Practices	<p>1. Java programming 1,2 ,3</p> <p>2. Introduction to MYSQL</p>