ST. Thomas School, Indirapuram
Syllabus for Pre-Final, 2021-22
Class XI

ENGLISH

Reading Comprehension:
- Unseen passage (factual, descriptive or literary /discursive or persuasive)
- Unseen passage for Note Making and Summarising

Writing Skills
- Posters

Long Writing Tasks
- Official Letters: e.g. to school/college authorities (regarding admissions, school issues, requirements / suitability of courses)
- Debate

Grammar
- Determiners
- Tenses
- Re-ordering of Sentences

Book-Hornbill:
- The Voice of the Rain (Poem)
- The Ailing Planet: The Green Movement’s Role (Prose)
- The Browning Version (Play)
- Childhood (Poem)

Book-Snapshots:
- Albert Einstein at School (Prose)
- Mother’s Day (Play)
- Birth (Prose)
## PHYSICS

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ch-9</td>
<td>Mechanical Properties of Solids</td>
</tr>
<tr>
<td>Ch-10</td>
<td>Mechanical Properties of Fluids</td>
</tr>
<tr>
<td>Ch-11</td>
<td>Thermal Properties of Matter</td>
</tr>
<tr>
<td>Ch-12</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>Ch-14</td>
<td>Oscillations</td>
</tr>
<tr>
<td>Ch-15</td>
<td>Waves</td>
</tr>
</tbody>
</table>

## CHEMISTRY

1. States of Matter
2. Thermodynamics
3. Equilibrium
4. Classification of elements and periodicity in Properties
5. Organic Chemistry - Some basic Principles
6. Hydrocarbons
7. Hydrogen
8. s- Block Elements
9. p- Block elements

## MATHS

Ch- 3 Trigonometric Functions
Ch - 6 Linear Inequalities
Ch-7 Permutations & Combinations
Ch- 11 Conic sections.
Ch - 12 Introduction to three Dimensional Geometry
Ch-13 Limits & Derivatives.

Ch-16 Probability.

**BIOLOGY**

Chapter-10-Cellcycle and Cell Division

Chapter-13-Photosynthesis

Chapter14-Respiration in Plants

Chapter15-Plant Growth & Development

Chapter 17-Breathing & Exchange of gases

Chapter18-Body Fluids & Circulation

Chapter19- Excretory Products and their Elimination

Chapter 20-Locomotion & Movement*

Chapter21-Neural control and Coordination*

Chapter 22-Chemical Coordination and Integration*

*Except the deleted topics

**COMPUTER SCIENCE**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Chapter No.</th>
<th>Chapter Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>Data Representation and Boolean Logic</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
<td>List in Python</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td>Tuples and Dictionary</td>
</tr>
<tr>
<td>4</td>
<td>10</td>
<td>Introduction to Python Modules (Including User defined functions)</td>
</tr>
<tr>
<td>5</td>
<td>12</td>
<td>Cyber Safety</td>
</tr>
</tbody>
</table>
## ACCOUNTANCY

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Chapter No.</th>
<th>Chapter Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Ch-14</td>
<td>Trial Balance And Errors</td>
</tr>
<tr>
<td>2.</td>
<td>Ch-15</td>
<td>Bank Reconciliation Statement</td>
</tr>
<tr>
<td>3.</td>
<td>Ch-16</td>
<td>Depreciation</td>
</tr>
<tr>
<td>4.</td>
<td>Ch-17</td>
<td>Provision And Reserves</td>
</tr>
<tr>
<td>5.</td>
<td>Ch-18</td>
<td>Bill of Exchange</td>
</tr>
<tr>
<td>6.</td>
<td>Ch-19</td>
<td>Rectification Of Errors</td>
</tr>
<tr>
<td>7.</td>
<td>Ch-20</td>
<td>Capital And Revenue</td>
</tr>
<tr>
<td>8.</td>
<td>Ch-21</td>
<td>Financial Statements</td>
</tr>
<tr>
<td>9.</td>
<td>Ch-22</td>
<td>Financial Statements-With Adjustments</td>
</tr>
<tr>
<td>10.</td>
<td>Ch-23</td>
<td>Accounts From Incomplete Records</td>
</tr>
<tr>
<td>11.</td>
<td>Ch-24</td>
<td>Introduction to Computers</td>
</tr>
<tr>
<td>12.</td>
<td>Ch-25</td>
<td>Introduction to Accounting Information System</td>
</tr>
<tr>
<td>13.</td>
<td>Ch-26</td>
<td>Computerized Accounting System</td>
</tr>
</tbody>
</table>

## ECONOMIC

**PART – A ‘STATISTICS’**

**UNIT -3**

- LESSON 11.- MEASURES OF DISPERSION
- LESSON 12 - CORRELATION
- LESSON 13 – INDEX NUMBERS

**PART –B ‘MICRO ECONOMICS’**

**UNIT - 6**

- LESSON 5 – PRODUCTION FUNCTION
- LESSON 6 - COST
- LESSON 7 - REVENUE
- LESSON 9 - SUPPLY

**UNIT - 7**

- LESSON 10- MAIN MARKET FORMS
- LESSON 11 – PRICE DETERMINATION and SIMPLE APPLICATION.
BUSINESS STUDIES

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Chapter No.</th>
<th>Chapter Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Ch-7</td>
<td>Sources Of Business Finance</td>
</tr>
<tr>
<td>2.</td>
<td>Ch-8</td>
<td>Small Business</td>
</tr>
<tr>
<td>3.</td>
<td>Ch-9</td>
<td>Internal Trade</td>
</tr>
<tr>
<td>4.</td>
<td>Ch-10</td>
<td>International Business</td>
</tr>
</tbody>
</table>

APPLIED MATHS

Ch -7 Permutations and Combinations
Ch -10 Limits and Continuity
Ch-12 Probability
Ch-11 Differentiation
Ch-17 Straight Lines
Ch18 - Circles and Parabola.
Ch -14 Compound interest and Annuity
Ch-15- Taxation
Ch-16- Utility Bills

HISTORY

Ch 7 Changing Cultural Traditions
Ch 9 The Industrial Revolution
Ch 10 Displacing Indigenous People
Ch 11 Path to Modernisation
GEOGRAPHY

<table>
<thead>
<tr>
<th>Part</th>
<th>Book/Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PART A:</strong></td>
<td><strong>FUNDAMENTALS OF PHYSICAL GEOGRAPHY</strong></td>
</tr>
<tr>
<td></td>
<td>♦ Chapter 4: Distribution of oceans and continents</td>
</tr>
<tr>
<td></td>
<td>♦ Chapter 5: Minerals and rocks</td>
</tr>
<tr>
<td></td>
<td>♦ Chapter 8: Composition and structure of atmosphere</td>
</tr>
<tr>
<td></td>
<td>♦ Chapter 9: Heat balance and temperature</td>
</tr>
<tr>
<td><strong>PART B:</strong></td>
<td><strong>INDIA - PHYSICAL ENVIRONMENT</strong></td>
</tr>
<tr>
<td></td>
<td>♦ Chapter 4: Climate</td>
</tr>
<tr>
<td></td>
<td>♦ Chapter 5: Natural vegetation</td>
</tr>
<tr>
<td>♦ India Map</td>
<td>Map work on identification / interpolation of features based on the units on the outline Physical/Political map of the world/ India.</td>
</tr>
<tr>
<td>♦ World Map Diagram</td>
<td>PART C: <strong>PRACTICAL WORK</strong></td>
</tr>
<tr>
<td></td>
<td>♦ Introduction to Maps</td>
</tr>
<tr>
<td></td>
<td>♦ Weather Instruments, Maps and Charts</td>
</tr>
</tbody>
</table>

POLITICAL SCIENCE

Part A: Indian Constitution at Work

1. Executive
2. Legislature
3. Judiciary

Part B: Political Theory

1. Freedom
2. Equality
3. Social Justice

Project Work
PSYCHOLOGY

Ch-4 Human development

Ch-5 Sensory attentional and perceptual process

Ch -6 Learning

Ch-7 Human Memory

HINDI
<table>
<thead>
<tr>
<th>*Unit No.</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Term II – Theory</td>
</tr>
</tbody>
</table>
| 4.       | Physical Education & Sports for CWSN (Children With Special Needs- Divyang)  
• Aims & objectives of Adaptive Physical Education  
• Organization promoting Adaptive Sports (Special Olympics Bharat; Paralympics; Deaflympics)  
• Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & special Educator) |
| 5.       | Yoga  
• Meaning & Importance of Yoga  
• Elements of Yoga  
• Introduction - Asanas, Pranayam, Meditation & Yogic Kriyas  
• Yoga for concentration & related Asanas (Sukhasana; Tadasana; Padmasana & Shashankasana, Naukasana, Vrikshasana (Tree pose), Garudasana (Eagle pose) |
| 6.       | Physical Activity & Leadership Training  
• Leadership Qualities & Role of a Leader  
• Meaning, objectives & types of Adventure Sports (Rock Climbing, Tracking, River Rafting, Mountaineering, Surfing and Paragliding)  
• Safety measures to prevent sports injuries |
| 9.       | Psychology & Sports  
• Definition & Importance of Psychology in Phy. Edu. & Sports  
• Define & Differentiate Between Growth & Development.  
• Adolescent Problems & Their Management |
| 10.      | Training and Doping in Sports  
• Meaning & Concept of Sports Training  
• Principles of Sports Training  
• Concept & classification of doping  
• Prohibited Substances & their side effects |