## Subject | Syllabus
--- | ---
**PHYSICS** | 1. FRICTION OF SOLIDS AND LIQUIDS  
2. RAY OPTICS  
3. REFRACTION OF LIGHT  
4. CIRCULAR MOTION  
5. CURRENT ELECTRICITY  
6. MAGNETIC EFFECT OF ELECTRIC CURRENT  
7. ELECTROSTATICS

**CHEMISTRY** | 1. CHEMICAL EQUILIBRIUM  
2. CHEMICAL BONDING  
3. PERIODIC TABLE  
4. BASIC PRINCIPLES AND TECHNIQUES (GOC)  
5. HYDROCARBON (ALKANE, ALKENES, ALKYNES & AROMATIC)

**ENGLISH** | UNIT THREE: 3.2 SCHOOLING ON THE STREETS  
3.4 MUMBAI'S DABBAWALAS  
UNIT FOUR: 4.4 A LETTER FROM A FATHER TO HIS LITTLE SON  
UNIT FIVE: 5.1 MY MOTHER  
5.2 TRAFFIC PROBLEMS  
5.3 INDIAN WOMAN'S INCOME DOUBLE  
UNIT SIX: 6.1 MARCHING SONG  
UNIT SEVEN: 7.3 FOR HEAVEN'S SAKE  
7.4 MARTIN LUTHER KING JR: A TRIBUTE  
UNIT EIGHT: 8.2 HARRY POTTER NOVELS GO DIGITAL  
RAPID READING - THE HAPPY PRINCE

**WRITING SKILLS** | Q.6 (A) (I) FORMAL LETTER (JOB APPLICATION)  
(II) SEMI FORMAL LETTER  
(B) TOURIST LEAFLET, APPEAL WRITING, DIALOGUE WRITING  
REPORT WRITING AND NEWS ITEM.  
(C) COUNTER VIEW AND INFORMATION TRANSFER  
(NON VERBAL TO VERBAL)  
Q.7 (A) FRAMING QUESTIONS FOR THE INTERVIEW  
(B) PREPARING SPEECH WRITING.

**PHYSICAL EDUCATION** | Questions will ask from the provided Question bank

**MATHS** | 1. LOGARITHM (STD.XI)  
2. DETERMINANTS (STD.XI)  
3. MATRICES (STD.XI & XII)  
4. PAIR OF STRAIGHT LINE (STD.XII)  
5. LIMITS (STD.XI)  
6. DIFFERENTIATION (STD.XI)  
7. INTEGRATION (STD.XI)  
8. SETS AND FUNCTIONS
<table>
<thead>
<tr>
<th>Course</th>
<th>Topics</th>
</tr>
</thead>
</table>
| ELECTRICAL MAINTENANCE I       | 1. TYPES OF WIRES AND WIRING ACCESSORIES  
2. WIRING SYSTEM & WIRING DIAGRAMS  
3. MEASURING INSTRUMENTS          |
| COMPUTER SCIENCE I             | 1. C++- FULL  
2. VISUAL BASIC  
3. NETWORKING AND INTERNET      |
| ELECTRICAL MAINTENANCE II      | 1. SINGLE PHASE & THREE PHASE MOTORS  
2. STARTERS INCLUDING DC MOTOR STARTER  
3. POLY PHASE CIRCUITS           |
| COMPUTER SCIENCE II            | 1. FLIP FLOPS  
2. COUNTERS  
3. PERIPHERAL DEVICES  
4. FUNCTIONAL HARDWARE PART OF PC |