



**AUM SRI SAIRAM**  
**SRI SATHYA SAI INSTITUTE OF EDUCARE**  
**ENTRANCE PORTION – GRADE XI ( SCI)**  
**ACADEMIC YEAR 2025 – 26**

<b>S.NO</b>	<b>SUBJECT</b>	<b>PORTIONS</b>
1	ENGLISH	<ul style="list-style-type: none"><li>• GENERAL READING COMPREHENSION,</li><li>• LETTER WRITING,</li><li>• PARAGRAPH WRITING,</li><li>• DIARY ENTRY,</li><li>• TENSES,</li><li>• PARTS OF SPEECH</li><li>• ACTIVE AND PASSIVE VOICE,</li><li>• ERROR CORRECTION.</li></ul>
2	SCIENCE	<ul style="list-style-type: none"><li>• ATOMS AND MOLECULES-NO. OF MOLES , ATOMIC MASS, FORMULAS</li><li>• CARBON AND ITS COMPOUNDS- IUPAC NAMES, PREPARATIONS AND ISOMER CHEMICAL REACTIONS- TYPE OF REACTIONS</li><li>• METALS AND NON METALS STRUCTURE OF ATOMS.- VALENCY ELECTRONS AND DOT STRUCTURE.</li><li>• .LIGHT -REFLECTION, REFRACTION, REFRACTIVE INDEX, USES OF MIRRORS AND LENSES</li><li>• ELECTRICITY-OHM'S LAW, RESISTORS IN SERIES AND IN PARALLEL, MAGNETIC EFFECTS OF ELECTRIC CURRENT- MAGNETIC FIELD LINE PROPERTIES, FLEMING'S LEFT HAND RULE, CURRENT CARRYING CONDUCTOR IN AN EXTERNAL MAGNETIC FIELD. LIFE PROCESS</li><li>• CONTROL AND COORDINATION</li><li>• HOW DO ORGANISMS REPRODUCE?</li><li>• OUR ENVIRONMENT</li></ul>
3	MATHS	<ul style="list-style-type: none"><li>• LINEAR EQUATIONS IN TWO VARIABLES,</li><li>• QUADRATIC EQUATIONS,</li><li>• ARITHMETIC PROGRESSION,</li><li>• INTRODUCTION TO TRIGONOMETRY,</li><li>• STATISTICS,</li><li>• SURFACE AREA AND VOLUMES,</li><li>• PROBABILITY,</li><li>• COORDINATE GEOMETRY</li></ul>