

**P. S. SENIOR SECONDARY SCHOOL MYLAPORE**

**CLASS 11 & 12- SCIENCE UT – 1 PORTIONS 2021 – 22**

CLASS	XI	XII
<b>ENGLISH</b>	1. THE PORTRAIT OF A LADY 2. A PHOTOGRAPH 3. GENERAL GRAMMAR 4. NOTICE WRITING	1. THE LOST SPRING 2) AN ELEMENTARY SCHOOL CLASSROOM IN A SLUM 3. CLASSIFIEDS ( RENTAL, REAL ESTATE)
<b>MATHEMATICS</b>	1.SEQUENCES AND SERIES 2. TRIGONOMETRY (TILL EX 3.3)	1. Relations and function. 2. 3D geometry. 3.LPP
<b>PHYSICS</b>	1. Units and measurement	1.Electric field and charges 2. Electrostatic potential upto capacitance.
<b>CHEMISTRY</b>	1..Some Basic Concepts of Chemistry 2.Structure of Atom( upto black body Radiation	Solutions
<b>BIOLOGY</b>	Chapter 3: Plant Kingdom (upto pteridophytes) Chapter 17: Breathing and exchange of gases.	Chapter5:Principles of Inheritance and Variation
<b>COMPUTER SCIENCE</b>	Computer Systems and Organisation, Types of software, Operating system (OS), Introduction to problem solving, Knowledge of data types, Operators, Expressions, statement, type conversion & input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit & implicit conversion), accepting data as input from the console and displaying output	Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)
<b>INFORMATION PRACTICES</b>	1.Introduction to computers and computing, Computer Memory, Software: purpose and types 2.Basics of Python programming,	SQL: Database Concepts, Structured Query Language, Data Types, Data Definition Commands, Data Query Commands, Data Manipulation Commands, Math functions, Text functions, Date Functions, Aggregate Functions, Querying and manipulating data using Group by, Having, Order by and Operations on Relations. NUMPY Introduction to NumPy library, NumPy arrays and their advantage, NumPy attributes, creation of NumPy arrays; from lists using np.array(), np.zeros(), np.ones(),np.arange() , indexing, slicing, and iteration; concatenating and resizing array; Arithmetic operations on one dimensional and two dimensional arrays. Calculating max, min, count, sum, mean, median, mode, standard deviation, variance on NumPy arrays.
<b>PHYSICAL EDUCATION</b>	NA	1) Planning in Sports Meaning & Objectives Of Planning Various Committees & its Responsibilities (pre; during & post)

		<p>Tournament – Knock-Out, League Or Round Robin &amp; Combination Procedure To Draw Fixtures – Knock-Out (Bye &amp; Seeding) &amp; League (Staircase &amp; Cyclic).</p> <p>2) Sports &amp; Nutrition Balanced Diet &amp; Nutrition: Macro &amp; Micro Nutrients Nutritive &amp; Non-Nutritive Components Of Diet Eating For Weight Control – A Healthy Weight, The Pitfalls of Dieting ,food Intolerances &amp; food myths</p>
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