



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA-700019



TERM: I

TEACHER'S NAME: SOUMAK CHATTERJEE

Syllabus planning for the academic year 2020

Subject: COMPUTER SCIENCE

CLASS: 12

SECTION: A1, A2, D

No. of working days: 2

No. of periods available: 2

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY					
FEBRUARY					
MARCH					
APRIL	2	Ch. 1 – Sequential Logic Circuits	Asynchronous & Synchronous circuits, Flip Flops, Counters	Relevant Questions from Asynchronous & Synchronous circuits, Flip Flops, Counters	Question Pattern would be discussed in class. Selective Questions from Asynchronous & Synchronous circuits, Flip Flops, Counters

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

Signature of Teacher: *Soumak Chatterjee*  
Submitted on: 27.01.2020  
*27/01/2020*

Academic Co-ordinator: *J. Shroya 28/1/2020*

PRINCIPAL

VICE PRINCIPAL

*28/1/2020*



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA-700019



TERM: I

TEACHER'S NAME: SOUMAK CHATTERJEE

Syllabus planning for the academic year 2020

Subject: COMPUTER SCIENCE

CLASS: 12

SECTION: A1, A2, D

No. of working days: 70

No. of periods available: 52

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	12	Ch. 1 – Sequential Logic Circuits (Cont...) Ch. 3 – Networking	Asynchronous & Synchronous circuits, Flip Flops, Counters  Components of Network, Topologies, Protocols, Internet, Introduction to HTML	Relevant Questions from Asynchronous & Synchronous circuits, Flip Flops, Counters Problems Relation to Network Topologies, Protocols, Internet.  HTML code designing	Selective Questions from Asynchronous & Synchronous circuits, Flip Flops, Counters  Practical Classes on HTML Webpage designing using HTML
JUNE	12	Ch. 2 – Networking(Cont...) Ch. 3 – Introduction to Database Ch. 2 – Programming in C & Data Structure	Web Page design using HTML  Database, Data Models, Relational Model Concept of file handling, Linked List	Questions on HTML and Database, File handling, linked list	Discussion on making of Project File  Practical Classes on HTML Webpage designing using HTML, File handling, linked list Discussion on making of Project File
JULY	20	Ch. 4 – Relational Algebra Ch. 5 - SQL Ch. 2 – Programming in C & Data Structure(Cont...)	Operations(Selection, Projection, Set, Cartesian, Natural Join), SQL commands, Stack, Queue	Selective Questions on Relational Algebra, SQL, Stack, Queue	Discussion on making of Project File, Practical hands on of data structure design
AUGUST	8	Ch. 5 - SQL Ch. 2 – Programming in C & Data Structure(Cont...)	SQL queries, Application of various data structures	Questions on query design, application of data structure NOTE: <u>Pre Test – AUGUST 3<sup>rd</sup></u> Syllabus: Taught till JULY	Different types of query design, Practical on data structure

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

Signature of Teacher: *Soumak Chatterjee*  
Submitted on: 27.01.2020

Academic Co-ordinator: *J. Shyama*  
28/1/2020

PRINCIPAL

VICE PRINCIPAL *[Signature]*  
28/1/2020



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA-700019



TERM: II

TEACHER'S NAME: SOUMAK CHATTERJEE

Syllabus planning for the academic year 2020

Subject: COMPUTER SCIENCE

CLASS: 12

SECTION: A1, A2, D

No. of working days: 38

No. of periods available: 38

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	24	Ch. 2 – Programming in C & Data Structure (Cont...) Ch. 7 – Introduction to Object Oriented Programming	C programming Revision, Concept of object oriented programming, Class,	Making of Project File, Relevant questions on object oriented programming	Concepts of OOP, <u>Reviewing Project File and submission</u> Practicals on MS- Access <b>25<sup>th</sup> September – Last Day of Project Submission</b>
<b>COMPLETION OF COMS SYLLABUS FOR CLASS 12</b>					
OCTOBER	14	Ch. 8 - Practicals	Revision	Revision	Revision
NOVEMBER				<b>NOTE: Selection Test – NOVEMBER 18<sup>th</sup> (whole syllabus)</b>	
DECEMBER					

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

Signature of Teacher: *Soumak Chatterjee*  
Submitted on: 27.01.2020

Academic Co-ordinator: *J. Sheeja 28/1/2020*

PRINCIPAL

VICE PRINCIPAL

*28/1/2020*