



FOR GOD AND COUNTRY

ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution
27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019



TERM: FIRST TERM

TEACHER'S NAME: SOUMAK CHATTERJEE

Syllabus planning for the academic year 2018

Subject: COMPUTER APPLICATION

CLASS: XI

SECTION: B,C,D.

No. of working days: 22

No. of periods available: 10

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY					
FEBRUARY					
MARCH					
APRIL	10	Data Representation	Number systems, Conversion, Arithmetic, Positional & Non positional number system.	Various binary coding schemes BCD Code, Gray Code, Excess-3-code, ASCII, EBCDIC, ISCII	Arithmetic Problems Page: 95 and 96 [Author: Rajiv Mathur] Binary, Octal, Hexadecimal Addition and Subtraction.

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.

Submitted on: 24.01.2018

Signature of Teacher: Soumak Chatterjee

PRINCIPAL

ACADEMIC CO-ORDINATOR
[Signature]
25/1/18
St. Lawrence High School

[Signature]
VICE PRINCIPAL



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TEACHER'S NAME: SOUMAK CHATTERJEE

Syllabus planning for the academic year 2018

Subject: COMPUTER APPLICATION

CLASS: XI

SECTION: B,C,D.

No. of working days: 74

No. of periods available: 62

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	14	Data Representation Evolution of Computers Concept of Circuit Integration	Various binary coding schemes, Concept of fixed and floating point numbers Abacus, Napier's Bones, Pascalines, The Babbage Machine	Stored program concept, Von Neumann architecture, Computer Hardware Generations	SSI, MSI, LSI, VLSI, ULSI Page: 9, 12,13 Conversion between different types of number systems. Laboratory copy Topic Discussion
JUNE	18	Classification of Computers Computers in Modern Society Concept of Multimedia Software and Languages	Analogue, Digital and Hybrid Computers, Mainframe and Super Computers, Mini, Micro and Laptop. High level, Low level and Assembly Language.	Block diagram of a Computer, Primary memory & Secondary memory, Applications of multimedia, Multimedia hardware.	GUI,CUI, Booting, Types of OS, MS DOS, Computer Memory, Impact of ICT-Knowledge based society. Laboratory copy Topic Discussion
JULY	18	Parts of a Computer System Bitmap Representation of Images Boolean Algebra 1 ST Term Examination: 25.07.18	Control Unit, Bus system, ALU, Flash memory, Cache memory, De' Morgan's Theorem, Boolean Algebra Laws. Bitmap Storage.	Storage devices, Truth table verification, Different types of Gates, Input devices and Output devices.	SOP and POS expressions from truth tables, Simplification using Boolean algebra. Page: 152, 153, 154. Laboratory copy Topic Discussion
AUGUST	12	Software and Languages	Utility Software, Application Software, Directory and File structure, Translators-Compilers, Interpreters, Assemblers, Linker, Loader	Functions of Operating system, Concept of fixed and floating point numbers, Negative number representation.	Operating systems, functions, types. Deriving truth tables from expressions and vice versa, Proof using identities and truth tables. Page: 198, 199.

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FOR GOD AND COUNTRY

TERM: PRE ANNUAL

TEACHER'S NAME: SOUMAK CHATTERJEE

Subject: COMPUTER APPLICATION

CLASS: XI

SECTION: B,C,D.

No. of periods available: 56

No. of periods available: 56

Syllabus planning for the academic year 2018

No. of working days: 57

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	14	Visual Basic Toolbox Programming Fundamental	Standard window controls, Textbox, Command Button, Frame, and Checkbox.	Programming Environment, Moving and Resizing tools, Data types in VB	Variables and Constants, Input and Output operations, Control Statements. Page: 206, 209, 210, 211. Laboratory copy Topic Discussion
OCTOBER	12	Word Processing Using Word	Creating documents, Editing documents, Formatting with line or paragraph spacing, Page setup, Inserting Auto shapes and pictures, Inserting tables.	Inserting equations, Macros, Inserting WordArt, Adding headers, footers and page numbers.	Mail Merge, Formatting text, Various operational tools, Adding page borders and shading. Page: 304 and 305. Laboratory copy Topic Discussion
NOVEMBER	12	Presentation Using Power Point	Features of PowerPoint, Formatting text, Watermark, Applying Animation, Slide Show, Editing a presentation.	Adding sound effects and video clips, Applying Slide transitions, Creating presentation.	Inserting a picture as watermark, Slide show, Changing background, Presentation. Page: 339 and 340.
DECEMBER	06	Revision	Revision	Revision	Revision
JANUARY	15	Revision	Revision	Revision	Revision Laboratory Copy Submission: 14/01/2019

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