



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 2020

Subject: COMPUTER APPLICATION

CLASS: XI

SECTION: B, C, D.

No. of working days: 22

No. of periods available: 2

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY					
FEBRUARY					
MARCH					
APRIL	2	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: 27.01.2020

Signature of Teacher: Soumak Chatterjee
27/01/2020

PRINCIPAL

Academic Co-ordinator:

J. Shroya 28/1/2020

Signature of Vice Principal
28/1/2020

VICE PRINCIPAL



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TEACHER'S NAME: SOUMAK CHATTERJEE

Syllabus planning for the academic year 2020

Subject: COMPUTER APPLICATION

CLASS: XI

SECTION: B, C, D

No. of working days: 70

No. of periods available: 58

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	12	Data Representation Evolution of Computers Concept of Circuit Integration	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 Activity : MS Word
JUNE	14	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 Activity : VB 6.0 Toolbox
JULY	24	Parts of a Computer System Bitmap Representation of Images Boolean Algebra 1 ST Term Examination: 03.08.20	Control Unit, Bus system, ALU, Flash memory, Cache memory, De' Morgan's Theorem, Boolean Algebra Laws. Bitmap Storage. Syllabus completed till July	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 Activity : VB 6.0 programs
AUGUST	8	Software and Languages NOTE: 1st Term – AUGUST 3rd	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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Submitted on: 27.01.2020

Signature of Teacher: Soumak Chatterjee

Academic Co-ordinator:

J. Sheya 28/1/2020

28/1/2020

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Syllabus planning for the academic year 2020

No. of working days: 72

TERM: PRE ANNUAL

Subject: COMPUTER APPLICATION

CLASS: XI

TEACHER'S NAME: SOUMAK CHATTERJEE

SECTION: B, C, D.

No. of periods available: 56

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	24	Visual Basic Toolbox	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 Activity : VB 6.0 programs
OCTOBER	14	Programming Fundamental	Variables, Operators, Control Statements, Solved examples	Programs from within the books and back exercises.	Notes on corresponding topics 10-15 solved programs Laboratory Activity : MS Powerpoint
NOVEMBER	20	Word Processing Using Word Introduction to MS PowerPoint	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 Activity : MS Powerpoint
DECEMBER	10	Presentation Using Power Point Syllabus Completion (Entire)	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. Laboratory Copy Submission
JANUARY	04	Revision (PRE – ANNUAL EXAM BEGINS)	Revision	Revision	Revision

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Submitted on: 27.01.2020

Signature of Teacher: Soumak Chatterjee

Academic Co-ordinator:

J. Chatterjee 28/1/2020

28/1/2020

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