

ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution
27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019
Syllabus planning for the academic year 2019



Subject: COMPUTER APPLICATION

TERM: FIRST

TEACHER'S NAME: PHALGUNI PRAMANIK

No. of working days: 4

No. of periods available: 5

CLASS: XI

SECTION: B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY					
FEBRUARY					
MARCH					
APRIL	5	Data Representation	Number systems, Conversion, Arithmetic, Positional & Non positional number system.	Various binary coding schemes BCD Code, Gray Code, Excess-3-code, ASCII, EBCDIC, ISCI	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 Lesson to be taught. The Lesson plans are to be submitted along with the monthly planner.

Name of the Teacher : Phalguni Pramanik

Signature of Teacher :*Phalguni Pramanik*.....

Submitted on : 28.01.2019

Academic Co-ordinator :

Susmita Banerjee
29/1/19

PRINCIPAL

Phalguni
1/2/19
VICE PRINCIPAL



FOR GOD AND COUNTRY

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Subject: COMPUTER APPLICATION

TERM: FIRST

TEACHER'S NAME: PHALGUNI PRAMANIK

No. of working days: 70

No. of periods available: 60

CLASS: XI

SECTION: B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	10	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 Activity : MS Word
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 Activity : VB 6.0 Toolbox
JULY	18	Parts of a Computer System Bitmap Representation of Images Boolean Algebra 1 ST Term Examination: 29.07.19	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 Activity : VB 6.0 programs
AUGUST	14	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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Name of the Teacher : Phalguni Pramanik

Submitted on : 28.01.2019

Signature of Teacher : *Phalguni Pramanik*

Academic Co-ordinator : *Susmita Banerjee*
29/1/19

PRINCIPAL

7/2/19
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Subject: COMPUTER APPLICATION

TERM: PRE ANNUAL

TEACHER'S NAME: PHALGUNI PRAMANIK

No. of working days: 96

No. of periods available: 71

CLASS: XI

SECTION: B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	18	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	18	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	06	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.
JANUARY	15	Revision	Revision	Revision	Revision Laboratory Copy Submission: 14/01/2020

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Name of the Teacher : Phalguni Pramanik

Signature of Teacher : *Phalguni Pramanik*

Submitted on : 28.01.2019

Academic Co-ordinator : *Indu Mittal*

PRINCIPAL

29/1/19
VICE PRINCIPAL