

CAMBRIAN PUBLIC SCHOOL

SYLLABUS FOR SESSION 2021-22

SUBJECT : COMPUTER

CLASS : VI

Prescribed book:

1.COMPUTERS FOR SCHOOL

Coursebook

MICA Educom publisher VI

Term-I (April-September)

THEORY

- **Computer and Its Language [3 Theory]**
Categorization of Computers, Data Processing @ Computer, Generation of Language, Language Processor .
- **Computer Virus [3 Theory]**
Introduction to Virus, Boot Sector Virus, Program File Virus, Trojan Horse, Worms, Spyware, Spam, Symptoms & Harms of a Virus Infection, Ways to Prevent Virus.
- **Spreadsheet [3 Theory]**
Introduction, Features of Spreadsheet Package, Spreadsheet Package in Computer, Components of Workbook Data in Spreadsheet, Moving in Worksheet, New Workbook, Opening an Existing Workbook, Saving a Workbook, Close and Exit Workbook, Editing Data in Worksheet, Formatting Cells, Auto Fill, Custom List.
- **Data Analysis [2 Theory]**
Text, Number, Formula, Formula with Cell Addresses, Formula with Cell Names, Formula with In-Built Function (SUM,AVERAGE, MAX, MIN) Operators.

PRACTICAL ASSIGNMENTS

- **Spreadsheet [4 Practical]**
Moving in Worksheet, Opening an Existing Workbook, Saving a Workbook, Close and Exit Workbook, Editing Data in Worksheet, Formatting Cells, Auto Fill, Custom List .
- **Data Analysis [2 Practical]**
Formula, Formula with Cell Addresses, Formula with Cell Names, Formula with In-Built Function, Doing Calculations using Functions like SUM,AVERAGE, MAX, MIN, Doing Analysis using Sorting .

1st Periodic Test (July)

Portion :- Theory, Practical Assignment.

Half Yearly Examination: Entire portion of Term I

Term-II (October-March)

THEORY

- **Flowchart [2 Theory]**
Data, Processing, Algorithm, Flowchart, Drawing Flowcharts
- **First Step to Programming [4 Theory]**
Introduction, Constants and Variables, Operators in Basic, BASIC in Computer (To Start a New Program, To Open an Existing Program, To Save a Program, To Execute or Run a Program, To Come out to display Contents in the screen by writing commands of program)
- **Statements in BASIC [4 Theory]**
REM Statement, LET Statement, PRINT statement, END Statement, INPUT Statement, Decision Making (IF...THEN Statement, IF... THEN...ELSE Statement)
- **Pivot [3 Theory]**
Introduction, Pivot Animation in Computer, Components of Pivot Screen, Drawing Figure, New Design, Saving a Stick Figure, Apply Background Image, Working with Figure Controls, Animation, Opening an Existing Animation.
- **What's Coding**
Introduction to coding, What's APP

PRACTICAL ASSIGNMENTS

- **First Step to Programming [2 Practical]**
Start Making a Program, Opening an Existing Program, Saving a Program, Executing/Running a Program, Erasing the typed contents in a Program, Making Programs using Operators .
- **Statements in BASIC [4 Practical]**
Using BASIC Statements like REM, LET, PRINT, END, INPUT in a Program, Making Program using IF-THEN Statement, Making Program using IF-THEN ELSE Statement.
- **Pivot [4 Practical]**
Drawing Figures, Saving Figure, Open an Existing Figure, Applying Background Image, Animations, Opening an Existing Animation.
- **Revision of Term 1 Practical Assignments based on Spreadsheet.**

2nd Periodic Test (December)

Portion :- Theory, Practical Assignment.

Annual Examination: Entire portion of Term II + Some Chapters from Term I