

SYLLABUS 2019-2020

Class : VIII
Subject : COMPUTER APPLICATIONS
Book : LOGIX
Publisher : KIPS PUBLICATIONS

Term 1

1. Chapter 4- Algorithms and Flowcharts
 - Algorithm
 - Characteristics of an Algorithm
 - Flowchart
 - Features of a Flowchart
 - Advantages & disadvantages of a Flowchart.

2. Chapter 5- Introduction To Java
 - Introduction to Java.
 - What is an Object.
 - Class
 - Features of Object Oriented Programming
 - Fundamentals of Java Language
 - Data Types, Operators and operator precedence
 - Java Program Structure with simple Java Programs.

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Term 2

3. Chapter 1- Operating system and graphical user interface
 - Types of software
 - What is an operating system and major facilities provided by the operating system.
 - Need of operating system (user view and system view)
 - Functions of operating system(memory , input/output, device and processor management)
 - Types of operating system(single-user, multi-user,multiprocessing, time-sharing,real time and distributed operating systems)
 - User interface and its types
 - Advantages & disadvantages of GUI over CUI
4. Number System
 - Conversion from decimal to binary and binary to decimal
 - Conversion from decimal to octal and octal to decimal
 - Conversion from decimal to hexadecimal and hexadecimal to decimal
 - Conversion from binary to octal and octal to binary
 - Conversion from binary to hexadecimal and hexadecimal to binary
 - Conversion from octal to hexadecimal and hexadecimal to octal
 - Binary arithmetic (Binary addition and multiplication)
5. Chapter 6- Decision control structure
 - If Control Structure
 - Programs based on if else.

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Term 3

6. Chapter 6- Decision control structure continues....
 - If with else if and switch statement
 - For loop.

Term 4

7. Chapter 6- Decision control structure continues....
 - For loop continues
 - Worksheet.
8. Cloud Computing
 - Characteristics of cloud computing
 - Types ,Advantages and Disadvantages of cloud computing.

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