



Class-9 Computer Applications

There will be **one** written paper of **two hours** duration carrying 100 marks and Internal Assessment of 100 marks. The paper will be divided into two sections A and B. **Section A** (Compulsory – 40 marks) will consist of compulsory short answer questions covering the entire syllabus.

Section B (60 marks) will consist of questions which will require detailed answers. There will be a choice of questions in this section

Chapter- 1 Introduction to Object Oriented Programming

Concept:

- Principles of Object Oriented Programming
- Introduction to JAVA

Chapter- 2 Elementary Concept of Objects and Classes

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- Modelling entities and their behaviour by objects

Chapter-3 Values and data types:

- Character set, ASCII code,

Chapter-4 Operators in Java:

- Forms of operators, **Chapter-**

5 Input in Java:



- Initialization, Parameter

Chapter-6 Mathematical Library Methods:

- Introduction to package java.lang

Chapter-7 Conditional constructs in Java:

- Application of if, if else, if

Chapter-8 Iterative constructs in Java:

- Definition, Types of looping statements,

Chapter-9 Nested for loop:

- Introduce nested loops through some simple examples

Chapter-10 Computing and Ethics:

- Ethical Issues in Computing

INTERNAL ASSESSMENT - 100 Marks

This segment of the syllabus is totally practical oriented. The accent is on acquiring basic programming skills quickly and efficiently.

Programming Assignments (Class IX)

Students are expected to do a minimum of 20 assignments during the whole year to reinforce the concepts studied in the class



Evaluation of practical work (Assignments) will be done as follows:

Subject Teacher (Internal Examiner): 100 marks

Criteria (Total 100 marks)	Class design (20 marks)	Variable description (20 marks)	Coding and Documentation (20 marks)	Execution OR Output (40 marks)
Excellent	20	20	20	40
Good	16	16	16	32
Fair	12	12	12	24
Poor	8	8	8	16