



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026



Subject: Computer Applications **Term:** 1st **Name of the Subject Co-ordinator:** Mr. Phalguni Pramanik **Name of the Book:** ICSE Computer Applications IX (ICA9)

No. of Working Days: 103

No. of Periods Available: 34

Class: 9

Sections: ABC

| MONTH | NO. OF PERIODS | LESSONS | TOPICS COVERED | CLASS WORK | TEACHING AIDS |
|-------|----------------|---|--|--|--|
| APRIL | 9 | CH-1. Principles of Object Oriented Programming ICA9: page (1-12) CH-2. Introduction to Java ICA9: page (13-23) | <ul style="list-style-type: none"> Difference between POP and OOP, Concept of objects, OOP and its characteristics [ICA9: ch- 1 page 1-9] Types of Java Programs, Java Compilation Process, Java Source code, Byte code [ICA9: ch- 2 page 13-17] | <ul style="list-style-type: none"> Exercise A, B, C, Short Answer Type Questions [ICA9: ch- 1 page 11-12] Exercise A, B, C, Short Answer Type Questions [ICA9: ch-2 page 22-23] | <ul style="list-style-type: none"> Demonstration of live cricket scenario to identify objects. Chart activity: Java compilation process. |
| MAY | 6 | CH 1. Introduction to Java ICA9: page (13-23) CH-3. Elementary Concept of Objects and Classes ICA9: page (24-38) | <ul style="list-style-type: none"> Object Code, JVM, Features of Java [ICA9: ch- 2 page 17-20] Objects, A Class, Concept of user-defined Data Type, Difference between object and class [ICA9: ch-3 page 24-35] | <ul style="list-style-type: none"> Exercise A, B, C, Short Answer Type Questions, Few programs discussion [ICA9: ch-2 page 22-23] Exercise A, B, C, Short Answer Type Questions, Few programs discussion [ICA9: ch-3 page 37-38] | <ul style="list-style-type: none"> Demonstration of Bank scenario to identify various objects and their corresponding functions. |
| JUNE | 6 | UT 1 begins from 23.06.2025 CH-4. Values and Data Types ICA9: page (39-55) | <u>UT 1 Syllabus : Ch 1 - Principles of Object Oriented Programming & Ch 2 - Introduction to Java</u> <ul style="list-style-type: none"> Character Set, ASCII, Unicode, Tokens, Data Types, Operators [ICA9: ch-4 page 39-52] | <ul style="list-style-type: none"> Exercise A, B, C, Short Answer Type Questions [ICA9: ch-4 page 54-55] | <ul style="list-style-type: none"> Group activity to identify various tokens. |
| JULY | 13 | CH-5. Operators in Java ICA9: page (56-77) CH-6. Input in Java ICA9: page (78-100) | <ul style="list-style-type: none"> Operators and their types, Hierarchy, Accumulators, Counters, Ternary, new and dot operator [ICA9: ch-5 page 56-71] Initialization, Parameterised and Scanner Input, Errors and its types [ICA9: ch-5 page 78-91] | <ul style="list-style-type: none"> Application based programs and output questions discussions, Lab activity [ICA9: ch-5 page 74-77, ch-6 page 95-100] | <ul style="list-style-type: none"> Chart Activity: List of data types, operators Group activity to find errors in a given sentence. |

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Phalguni Pramanik* 2. *Soumali Chatterjee*

Submitted on: 21.04.2025

Academic Co-ordinator: *K. Banerjee*

VICE PRINCIPAL

R. Sanyal

PRINCIPAL

[Signature]



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026



Subject: Computer Applications

Term: 1st & 2nd

Name of the Subject Co-ordinator: Mr. Phalguni Pramanik

Name of the Book: ICSE Computer Applications IX (ICA9)

No. of Working Days: 103 (1st term) & 92 (2nd term)

No. of Periods Available: 37 (17 + 20)

Class: 9

Sections: ABC

| MONTH | NO. OF PERIODS | LESSONS | TOPICS COVERED | CLASS WORK | TEACHING AIDS |
|---|----------------|--|--|---|--|
| AUGUST | 13 | CH-8. Conditional Constructs in Java ICA9: page (118-147) | <ul style="list-style-type: none"> If-then statement, Nested if, Dangling else, If-else-if ladder, Ternary, menu-driven program, exit() [ICA9: ch- 9 page 118-136] | <ul style="list-style-type: none"> Exercise A, B, Few programs will be discussed [ICA9: ch- 9 page 142-144] Lab activity [ICA9: ch- 9 page 144-147] | <ul style="list-style-type: none"> Demonstration of Electricity bill calculation |
| SEPTEMBER (1 st term exam begins from 15.09.2025) | 4 | 1 ST TERM EXAM ENDS ON 26.09.2025 Revision of Ch 8- Conditional constructs | <ul style="list-style-type: none"> FIRST TERM EXAM SYLLABUS: ICA9 CHAPTERS: 1. Principles of Object Oriented Programming, 2. Introduction to Java, 3. Elementary Concept of Objects and Classes, 4. Values and Data Types, 5. Operators in Java, 6. Input in Java, 8. Conditional constructs in Java Revision & Ongoing Exam | <ul style="list-style-type: none"> Programs on Switch case & If-else constructs | <ul style="list-style-type: none"> Lab Activity |
| OCTOBER (2 nd term begins from 7.10.2025) | 8 | CH-7. Mathematical Library Methods ICA9: page (101-117) | <ul style="list-style-type: none"> Arithmetic Functions, Java Mathematical Expressions [ICA9: ch-7 page 101-112] | <ul style="list-style-type: none"> Exercise A, B, C, Notes on corresponding topics [ICA9: ch- 7 page 115-117] Lab activity [ICA9: ch- 9 page 116-117] | <ul style="list-style-type: none"> Chart Activity: List of various methods |
| NOVEMBER | 12 | UT 2 begins from 17.11.2025 CH-9. Iterative Constructs in Java ICA9: page (148-179) | <p><u>LAST DATE OF PROJECT SUBMISSION : 04.11.2025</u></p> <p><u>UT 2 Syllabus : Ch. 7 – Mathematical Library Methods</u></p> <ul style="list-style-type: none"> Elements that control a loop, For loop and its variants, optional control elements, break and continue statement [ICA9: ch-9 page 148-167] | <ul style="list-style-type: none"> Exercise A, B, C, Notes on corresponding topics, Various programs will be discussed [ICA9: ch- 9 page 168-179] Lab activity [ICA9: ch- 9 page 175-179] | <ul style="list-style-type: none"> Demonstration of iteration through industrial automation examples. |

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Phalguni Pramanik* 2. *Soumak Chatterjee*

Submitted on: 21.04.2025

Academic Co-ordinator: *R. Banerjee*

VICE PRINCIPAL

R. Banerjee

[Signature]
PRINCIPAL



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026



Subject: Computer Applications

Term: 2nd

Name of the Subject Co-ordinator: Mr. Phalguni Pramanik

Name of the Book: ICSE Computer Applications IX (ICA9)

No. of Working Days: 92

No. of Periods Available: 27

Class: 9

Sections: ABC

| MONTH | NO. OF PERIODS | LESSONS | TOPICS COVERED | CLASS WORK | TEACHING AIDS |
|--|----------------|---|---|---|--|
| DECEMBER | 9 | CH-10. Nested For Loops ICA9: page (180-204) | <ul style="list-style-type: none"> Left aligned triangular patterns and rectangular patterns [ICA9: ch- 9 page 180-196] | <ul style="list-style-type: none"> Exercise A, B, C, Notes on corresponding topics, Few programs discussion, Lab activity [ICA9: ch- 9 page 203-204] | <ul style="list-style-type: none"> Group activity to classify various patterns of triangles. |
| JANUARY | 12 | CH-11. Computing and Ethics ICA9: page (205-225) Model Test Paper (Solved) & PYQs ICA9: (pg 229-256) | <ul style="list-style-type: none"> Computer Ethics, Intellectual Property Rights, Malicious Code and Intent, Malware types, Trojans, Computer Viruses, Securing the computer system, antivirus software [ICA9: ch- 11 page 205-221] Method of solving model question papers [ICA9: pg 229-256] | <ul style="list-style-type: none"> Exercise A, B, C, Notes on corresponding topics, Exercise [ICA9: ch 11 page 224-225] Solutions of Model Question Papers [ICA9: pg 229-256] | <ul style="list-style-type: none"> Chart activity: List of computer ethics, antivirus software Group activity to classify computer viruses |
| FEBRUARY (2 nd term exam begins from 16.02.2026) | 6 | <u>2nd TERM EXAM ENDS ON 27.02.2026</u> Revision of Ch 8- Conditional constructs & Ch 9 Iterative Constructs | SECOND TERM EXAM SYLLABUS: ICA9 CHAPTERS : 1. Principles of Object Oriented Programming, 2. Introduction to Java, 3. Elementary Concept of Objects and Classes, 4. Values and Data Types, 5. Operators in Java, 6. Input in Java, 7. Mathematical Library Methods, 8. Conditional constructs in Java, 9. Iterative Constructs in Java, 10. Nested For Loops, 11. Computing and Ethics | <ul style="list-style-type: none"> Programs on slab based questions and simple iterative problems | <ul style="list-style-type: none"> Lab Activity |

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Phalguni Pramanik*

2. *Soumukh Chatterjee*

Submitted on: 21.04.2025

Academic Co-ordinator: *R. Banerjee*

VICE PRINCIPAL

R. Banerjee

[Signature]
PRINCIPAL