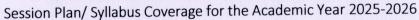


## ST. LAWRENCE HIGH SCHOOL

### 27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019



Subject: Computer Applications Term: 1<sup>st</sup> 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)	Difference between POP and OOP, Concept of objects, OOP and its characteristics [ICA9: ch- 1 page 1-9]	• Exercise A, B, C, Short Answer Type Questions [ICA9: ch- 1 page 11-12]	<ul> <li>Demonstration of live cricket scenario to identify objects.</li> </ul>
		CH-2. Introduction to Java ICA9: page (13-23)	<ul> <li>Types of Java Programs, Java Compilation Process, Java Source code, Byte code [ICA9: ch- 2 page 13-17]</li> </ul>	<ul> <li>Exercise A, B, C, Short Answer Type Questions[ICA9: ch-2 page 22-23]</li> </ul>	Chart activity: Java compilation process.
MAY	6	CH 2. Introduction to Java ICA9: page (13-23)	Ohject Code, IVM, Features of Java [ICA9: ch- 2 page 17-20]	Exercise A, B, C, Short Answer Type     Ouestions. Few programs discussion [ICA9: ch-2 page 22-23]	Demonstration of Bank scenario to identify
		CH-3. Elementary Concept of Objects and Classes ICA9: page (24-38)	<ul> <li>Objects, A Class, Concept of user-defined Data Type,</li> <li>Difference between object and class [ICA9: ch-3 page 24-35]</li> </ul>	<ul> <li>Exercise A, B, C, Short Answer Type Questions, Few programs discussion [ICA9: ch-3 page 37-38]</li> </ul>	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)	<ul> <li>UT 1 Syllabus: Ch 1 - Principles of Object Oriented</li> <li>Programming &amp; Ch 2 - Introduction to Java</li> <li>Character Set, ASCII, Unicode, Tokens, Data Types,</li> <li>Operators [ICA9: ch-4 page 39-52]</li> </ul>	• Exercise A, B, C, Short Answer Type Questions [ICA9: ch-4 page 54-55]	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> <li>Operators and their types, Hierarchy, Accumulators, Counters, Ternary, new and dot operator [ICA9: ch-5 page 56-71]</li> <li>Initialization, Parameterised and Scanner Input, Errors and its types [ICA9: ch-5 page 78-91]</li> </ul>	<ul> <li>Application based programs and output questions discussions, Lab activity [ICA9: ch-5 page 74-77, ch-6 page 95-100]</li> </ul>	<ul> <li>Chart Activity: List of data types, operators</li> <li>Group activity to find errors in a given sentence.</li> </ul>

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. Phalami Pramanik

2. Soumak chatterju-

Submitted on: 21.04.2025

Academic Co-ordinator: K. Lanen e

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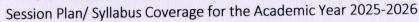


**Subject:** Computer Applications

## ST. LAWRENCE HIGH SCHOOL

### 27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

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



Term: 1st & 2nd

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

Sections: ABC No. of Periods Available: 37 (17 + 20) Class: 9 No. of Working Days: 103 (1st term) & 92 (2nd term)

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
AUGUST	13	CH-8. Conditional Constructs in Java ICA9: page (118-147)	If-then statement, Nested if, Dangling else, If-else- if ladder, Ternary, menu-driven program, exit() [ICA9: ch- 9 page 118-136]	<ul> <li>Exercise A, B, Few programs will be discussed [ICA9: ch- 9 page 142-144]</li> <li>Lab activity [ICA9: ch- 9 page 144-147]</li> </ul>	Demonstration of     Electricity bill calculation
SEPTEMBER (1st torm exam begins from 15.09.2025)	4	1 <sup>ST</sup> TERM EXAM ENDS ON 26.09.2025 Revision of Ch 8- Conditional constructs	<ul> <li>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     </li> <li>Revision &amp; Ongoing Exam</li> </ul>	• Programs on Switch care & If-also constructs	Lab Activity
OCTOBER (2 <sup>nd</sup> term begins from 7.10.2025)	8	CH-7. Mathematical Library Methods ICA9: page (101-117)	Arithmetic Functions, Java Mathematical Expressions [ICA9: ch-7 page 101-112]	<ul> <li>Exercise A, B, C, Notes on corresponding topics     [ICA9: ch- 7 page 115-117]</li> <li>Lab activity [ICA9: ch- 9 page 116-117]</li> </ul>	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)	LAST DATE OF PROJECT SUBMISSION: 04.11.2025  UT 2 Syllabus: Ch. 7 – Mathematical Library Methods  Elements that control a loop, For loop and its variants, optional control elements, break and continue statement [ICA9: ch-9 page 148-167]	<ul> <li>Exercise A, B, C, Notes on corresponding topics, Various programs will be discussed [ICA9: ch- 9 page 168-179]</li> <li>Lab activity [ICA9: ch- 9 page 175-179]</li> </ul>	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. Phalgum Pramarile 2. Soumak Chatterju

Submitted on: 21.04.2025

VICE PRINCIPAL

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# ST. LAWRENCE HIGH SCHOOL

#### 27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

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

**Subject:** Computer Applications

Term: 2<sup>nd</sup>

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)	Left aligned triangular patterns and rectangular patterns [ICA9: ch- 9 page 180-196]	<ul> <li>Exercise A, B, C, Notes on corresponding topics, Few programs discussion, Lab activity [ICA9: ch- 9 page 203-204]</li> </ul>	<ul> <li>Group activity to classify various patterns of triangles.</li> </ul>
JANUARY	12	CH-11. Computing and Ethics ICA9: page (205-225)	<ul> <li>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]</li> </ul>	Exercise A, B, C, Notes on corresponding topics, Exercise [ICA9: ch 11 page 224-225]	Chart activity: List of computer ethics, antivirus software     Group activity to classify computer viruses
		Model Test Paper (Solved) & PYQs ICA9: (pg 229-256)	<ul> <li>Method of solving model question papers [ICA9: pg 229-256]</li> </ul>	Solutions of Model Question Papers [ICA9: pg 229-256]	
FEBRUARY (2 <sup>nd</sup> term exam begins from 16.02.2026)	6	2 <sup>nd</sup> TERM EXAM ENDS ON 27.02.2026 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	Programs on slab based questions and simple iterative problems	• 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. Phelym Pramark

2. Soumak chatterfei

Submitted on: 21.04.2025

Academic Co-ordinator:

VICE PRINCIPAL

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