



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2026-2027



Name of the Subject Co-Ordinator: Mrs. Varisha Khanam

Subject: Computer Applications

Term: 1<sup>st</sup>

Name of the Book: ICSE Computer Applications X by Sumita Arora (ICA10)

No. of Working Days: 38

No. of Periods Available: 22

Class: 10

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	9	<p>Ch. 1 – Revising Basic Java Concept ICA10: ch- 1 pg 2-57</p> <p>Ch. 2- Class as basis of All Computation ICA10: ch- 2 pg 58-89</p>	<ul style="list-style-type: none"> <li>Introduction to OOPs, Elementary Concept of Objects and Classes, Values and Data Types, Operators in Java. Input in Java, Mathematical Library Methods, Conditional Constructs, Nested For Loops</li> <li>Objects encapsulate state and behaviour – numerous examples; member variables; attributes or features. Variables define state; member methods; Operations/ methods/ messages/ methods define behaviour.</li> </ul>	<ul style="list-style-type: none"> <li>Short Answer Type Questions, Programs and output questions discussions, Lab activity [ICA10: ch- 1 pg 52-57, ch-2 pg 78-89]</li> </ul>	<ul style="list-style-type: none"> <li>Group activity to explain swapping</li> <li>Demonstration of electricity bill calculation</li> </ul>
MAY	6	CH-7. Arrays [ICA10: ch- 7 pg 232-297]	<ul style="list-style-type: none"> <li>Definition, types, declaration, initialization and accepting of single and double dimensional arrays, accessing the elements of SDA, Sorting and searching techniques using SDA only.</li> </ul>	<ul style="list-style-type: none"> <li>Short Answer Type Questions, Various programs discussion, Lab activity [ICA10: ch-7 pg 293-297]</li> <li>Project: 10 questions with solutions discussion</li> </ul>	<ul style="list-style-type: none"> <li>A model to explain both the sorting techniques</li> </ul>
JUNE	7	CH-3. User-Defined Methods [ICA10: ch-3 pg 90-155]	<ul style="list-style-type: none"> <li>Need of methods, syntax of methods, forms of methods, method definition, method calling, method overloading, declaration of methods</li> </ul>	<ul style="list-style-type: none"> <li>Short Answer Type Questions, Various programs discussion, Lab activity [ICA10: ch-3 pg 151-155]</li> </ul>	<ul style="list-style-type: none"> <li>Demonstration of printer being used for multiple purpose to explain function overloading</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. Varisha Khanam

2. Soumali Chatterji

Submitted on: 20.04.2026

[Signature]  
PRINCIPAL

Academic Co-Ordinator: Chaitali Roy

VICE PRINCIPAL: [Signature]



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Session Plan/ Syllabus Coverage for the Academic Year 2026-2027

Name of the Subject Co-Ordinator: Mrs. Varisha Khanam

Subject: Computer Applications

Term: 1<sup>st</sup> + 2<sup>nd</sup>

Name of the Book: ICSE Computer Applications X by Sumita Arora (ICA10)

No. of Working Days: 38, 59+ 8(1<sup>st</sup> term+ 2<sup>nd</sup> term)

No. of Periods Available: 26+5

Class: 10

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
JULY	13	(1 <sup>st</sup> Term Unit Test Begins From 13.7.2026)  <b>CH-4. Constructors</b> [ICA10: ch-5 pg 156-185]	<b>UT 1 Syllabus :</b> Ch. 1 – Revising Basic Java Concept Ch. 2- Class as basis of All Computation  • Definition of constructor, characteristics, types of constructors, use of constructors, constructor overloading, difference between constructor and method.	• Few Pyqs programs discussions, Lab activity [ICA10: ch-4 pg 166-185]	• Chart Activity: List of String and Character Functions
AUGUST	11	<b>CH-8. String Handling</b> [ICA10: ch- 8 pg 298-333]	• String class, methods of String class, implementation of String, String array Programs based on various String class methods, extracting and modifying characters of a string, alphabetical order of the string in an array, searching of string	• Few Pyq programs discussions, Lab activity [ICA10: ch- 8 pg 310-333]	• Illustration of finding initials/short forms for a group of words
SEPTEMBER	2+5 (2 <sup>nd</sup> term begins from 21.9.2026)	(1 <sup>st</sup> term exam: 7.9.2026-18.9.2026)	<b>FIRST TERM EXAM SYLLABUS: ICA10 CHAPTERS:</b> Ch. 1 – Revising Basic Java Concept, Ch. 2- Class as basis of All Computation, Ch-3. User-Defined Methods, Ch4. Constructors, Ch-7. Arrays, Ch-8. String Handling	• Ongoing Exams  • Discussion of First Term Question Paper	• Lab activity

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Signature of the Co-Teachers: 1. Varisha Khanam

2. Soumit Chatterjee

Submitted on: 20.04.2026

PRINCIPAL: [Signature]

Academic Co-Ordinator: Chaitali Roy

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Session Plan/ Syllabus Coverage for the Academic Year 2026-2027



Name of the Subject Co-Ordinator: Mrs. Varisha Khanam

Subject: Computer Applications

Term: 2<sup>nd</sup>

Name of the Book: ICSE Computer Applications X (by Sumita Arora ICA10)

No. of Working Days: 8,44

No. of Periods Available: 18

Class: 10

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
OCTOBER	8	CH-6. ENCAPSULATION [ICA10: ch- 6 pg 212-231]	<ul style="list-style-type: none"> <li>Access specifiers and its scope and visibility. Scope of various variables.</li> </ul> <p><b><u>LAST DATE OF PROJECT SUBMISSION: 27.10.2026</u></b></p>	<ul style="list-style-type: none"> <li>Short Answer Type Questions, Pyqs discussions [ICA10: ch- 6 pg 221-231]</li> </ul>	<ul style="list-style-type: none"> <li>An experiment using various types of covers on a book</li> </ul>
NOVEMBER	10	CH-5. Using Library Classes [ICA10: ch- 5 pg 186-211]  Model Test Paper & Previous Years' Question Papers	<ul style="list-style-type: none"> <li>Introduction to wrapper classes, methods of wrapper class and their usage with respect to numeric and character data types. Autoboxing and unboxing in wrapper classes.</li> <li>Method of solving board question papers</li> </ul>	<ul style="list-style-type: none"> <li>Notes on corresponding topics [ICA10: ch- 5 pg 211-215]</li> <li>Solutions of Previous Years' Question Paper</li> </ul>	<ul style="list-style-type: none"> <li>Chart based activity to list out various wrapper classes</li> </ul>
DECEMBER	(Rehearsal test begins from 1 <sup>st</sup> Dec 2026)	(Rehearsal test ends on 15 <sup>th</sup> Dec 2026)	<p><b><u>REHEARSAL TEST SYLLABUS: ICA10 CHAPTERS:</u></b> Ch. 1 – Revising Basic Java Concept, Ch. 2- Class as basis of All Computation, Ch-3. User-Defined Methods, Ch4. Constructors, ch- 5. Using Library Classes, ch-6. Encapsulation, Ch-7. Arrays, Ch-8. String Handling</p>	<ul style="list-style-type: none"> <li>Ongoing Exam</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing Exam</li> </ul>

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Signature of the Co-Teachers:

1. Varisha Khanam

2.

Soumak Chatterji

Submitted on: 20.04.2026

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[Signature]

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