

COMPUTER SCIENCE PRACTICAL 12TH PRACTICAL COPY



FOR 2026 EXAM

AS PER BSEB 12TH COMPUTER SCIENCE
SYLLABUS

BIHAR SCHOOL EXAMINATION BOARD

TIC PUBLICATION

CERTIFICATE

This is to certify that Mr/Mrs _____

Roll Number _____, a student of Class
12th of school name_____

has successfully completed the Computer
Science experiments prescribed by the Bihar
School Examination Board (BSEB) for the
academic year _____.

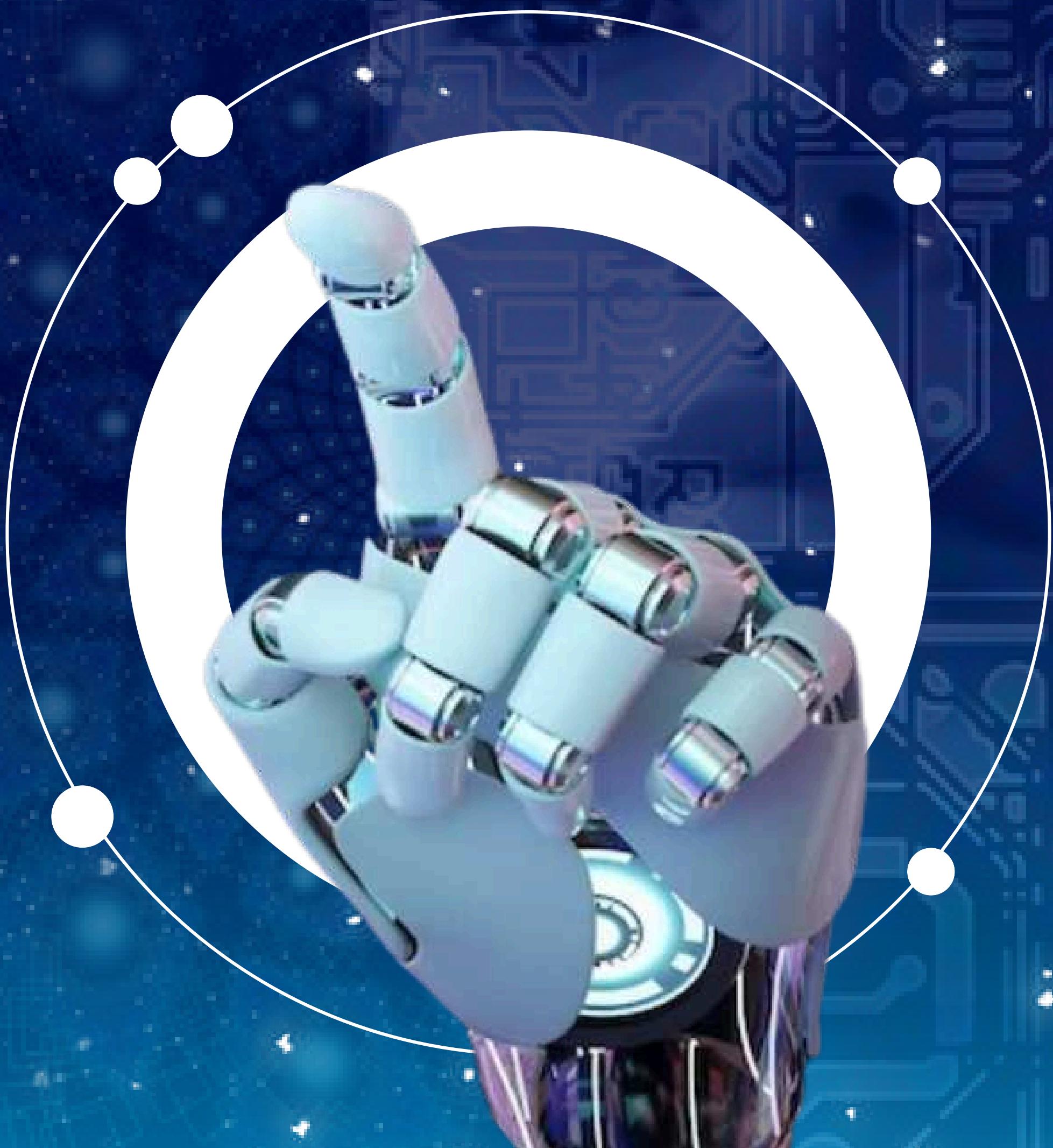
The student has demonstrated a good
understanding of the concepts and has
shown satisfactory performance in the
practical examinations. This certificate is
issued to him/her as a proof of completion of
the Computer Science practical course.

COMPUTER SCIENCE
TEACHER SIGN

HEADMASTER
SIGN



THINK FORWARD
WITH COMPUTER
SCIENCE PRACTICAL



NAME:
ROLL & SEC.:

CLASS-XII COMPUTER SCIENCE (PRACTICAL SYLLABUS)

Duration: 3 Hours Total Marks: 30

I. Programming in C++ (10 Marks)

Students will be given one application-based programming problem in C++ to be developed and executed on the computer.

Marking Scheme:

Logic / Algorithm: 05 Marks

Documentation & Indentation: 02 Marks

Output Presentation: 03 Marks

Types of Programs to be Asked:

Arrays (1D, 2D, Array of Structures)

Stacks (Array & Linked List)

Queues (Circular Queue, Linked List)

File Handling (Binary/Text: Create, Display, Search, Modify)

II. SQL Commands (05 Marks)

Students will perform five SQL queries based on a given table/relation. SQL commands must be executed on the computer. Students must write both the command and the output in the answer sheet.

III. Project Work (05 Marks)

The project must be developed in C++ using Object Oriented Programming (OOP) and must include Data File Handling.

Assessment Criteria:

Project Presentation on Computer

Project Report

Listing of source code

Sample outputs

Documentation

Viva-Voce

IV. Practical File (05 Marks)

The Practical File must include minimum 20 programs covering Arrays, Stacks, Queues, File Handling, and Algorithmic Problems, along with 15 SQL commands with output.

V. Viva-Voce (05 Marks)

Questions will be asked from: Class XII Syllabus, Student's Project, Programming concepts, Data Structures, OOP, File Handling, SQL.

GUIDELINES FOR PROJECTS (Class XI & XII)

Preamble: Each year includes one project. Projects may be done individually or in groups of 2–3. **Project Requirements for Class XII:** Must include Problem Solving, Data Structures, OOP in C++, File Handling.

Suggested Themes: Banking, Library Management, Hospital/Hotel Management, Transport Information System, Quizzes, Games, Tutor Systems.

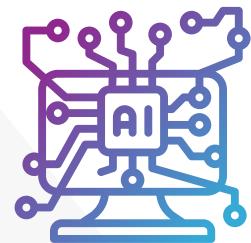
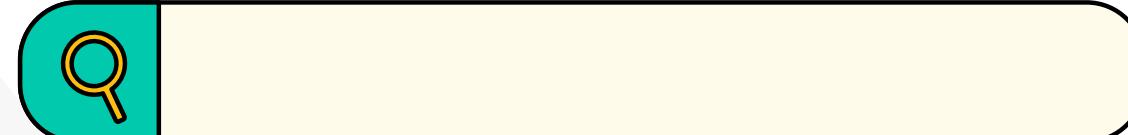
Project Objectives: Algorithmic formulation, modular programming, optimized coding, documentation, development methodology.

Project Assessment: Demonstration, report quality, programming style, design, documentation, maintainability.

Reference Books

Rajaraman – Fundamentals of Computers, Prentice Hall of India Peter Norton – Introduction to Computers, Tata McGraw Hill J. Shelly & Roger Hunt – Computer Studies, Wheeler's Publication





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2025

FIRST EDITION
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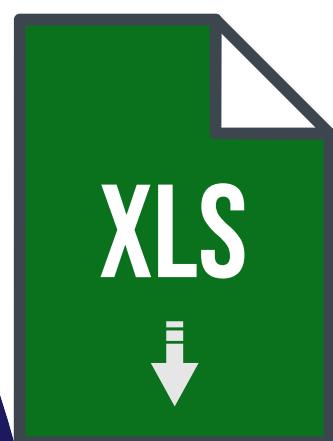
FOR SCHOOL GOING STUDENTS

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**BASED ON
BSEB Syllabus**

**2026
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