# St. XAVIER'S HIGH SCHOOL
## EDUCATION FOR ALL

**BANKURA, WB**
**Affiliation No.: 2430130**

**Affiliated to CBSE (New Delhi) 10+2 level**
**School Code: 15720**

## EXAMINATION SCHEDULE AND SYLLABUS FOR PERIODIC TEST-I

### CLASS-XII-SCIENCE

| DATE | DAY | SUBJECT | MARKS/GRADE |
|---|---|---|---|
| 24.06.2024 | MONDAY | CHEMISTRY | 20 |
| 25.06.2024 | TUESDAY | PHYSICAL EDUCATION | 20 |
| 26.06.2024 | WEDNESDAY | PHYSICS | 20 |
| 27.06.2024 | THURSDAY | COMPUTER SCIENCE | 20 |
| 28.06.2024 | FRIDAY | MATHEMATICS | 20 |
| 29.06.2024 | SATURDAY | DANCE & BIOLOGY | 20 & 20 |
| 01.07.2024 | MONDAY | ENGLISH | 20 |

### SUBJECT: ENGLISH

| NAME OF BOOK | CHAPTER'S NO. | TOPIC | PAGE NO. |
|---|---|---|---|
| FLAMINGO(PROSE) | 1 | THE LAST LESSON | 2-12 |
| VISTAS | 1 | THE THIRD LEVEL | 1-7 |
| WRITING SKILLS | - | NOTICE WRITING | - |
| FLAMINGO(POETRY) | 1 | MY MOTHER AT SIXTY SIX | 90-91 |

### SUBJECT: PHYSICS

| NAME OF BOOK | CHAPTER'S NO. | TOPIC | PAGE NO. |
|---|---|---|---|
| NCERT PHYSICS (PART-1) | 1 | ELECTRIC CHARGES AND FIELDS | 1-33 |
| | 2 | ELECTROSTATIC POTENTIAL AND CAPACITANCE | 45-73 |
| | 3 | CURRENT ELECTRICITY | 81-100 |
| NCERT PHYSICS (PART-1) | 4 | MOVING CHARGES AND MAGNETISM | 107-129 |

### SUBJECT: CHEMISTRY

| NAME OF BOOK | CHAPTER'S NO. | TOPIC | PAGE NO. |
|---|---|---|---|
| NCERT CHEMISTRY TEXTBOOK FOR CLASS XI | UNIT 1 | SOLUTIONS | |
| NCERT CHEMISTRY TEXTBOOK FOR CLASS XI | UNIT 7 | HALOALKANES AND HALOARENES | |
| | UNIT 5 | THE D BLOCK ELEMENTS (ONLY) | |

### SUBJECT: PHYSICAL EDUCATION

| NAME OF BOOK | CHAPTER'S NO. | TOPIC | PAGE NO. |
|---|---|---|---|
| HEALTH AND PHYSICAL EDUCATION | UNIT-1 | MANAGEMENT OF SPORTS EVENTS | 1.1-1.48 |

## SUBJECT: MATHEMATICS

| NAME OF BOOK | CHAPTER'S NO. | TOPIC | PAGE NO. |
|---|---|---|---|
| RELATIONS AND FUNCTIONS | 1 | TYPES OF RELATIONS: REFLEXIVE, SYMMETRIC, TRANSITIVE AND EQUIVALENCE RELATIONS. ONE TO ONE AND ONTO FUNCTIONS. | 1-7 |
| MATRICES | 3 | CONCEPT, NOTATION, ORDER, EQUALITY, TYPES OF MATRICES, ZERO AND IDENTITY MATRIX, TRANSPOSE OF A MATRIX, SYMMETRIC AND SKEW SYMMETRIC MATRICES. OPERATIONS ON MATRICES: ADDITION AND MULTIPLICATION AND MULTIPLICATION WITH A SCALAR. SIMPLE PROPERTIES OF ADDITION, MULTIPLICATION AND SCALAR MULTIPLICATION. NONCOMMUTATIVITY OF MULTIPLICATION OF MATRICES AND EXISTENCE OF NON-ZERO MATRICES WHOSE PRODUCT IS THE ZERO MATRIX (RESTRICT TO SQUARE MATRICES OF ORDER 2). INVERTIBLE MATRICES AND PROOF OF THE UNIQUENESS OF INVERSE, IF IT EXISTS; (HERE ALL MATRICES WILL HAVE REAL ENTRIES). | 56-85 |
| DETERMINANTS | 4 | DETERMINANT OF A SQUARE MATRIX (UP TO 3 X 3 MATRICES), MINORS, CO-FACTORS AND APPLICATIONS OF DETERMINANTS IN FINDING THE AREA OF A TRIANGLE. | 103 |
|  | 4 | ADJOINT AND INVERSE OF A SQUARE MATRIX. CONSISTENCY, INCONSISTENCY AND NUMBER OF SOLUTIONS OF SYSTEM OF LINEAR EQUATIONS BY EXAMPLES, SOLVING SYSTEM OF LINEAR EQUATIONS IN TWO OR THREE VARIABLES (HAVING UNIQUE SOLUTION) USING INVERSE OF A MATRIX | 126 |

## SUBJECT: COMPUTER

| NAME OF BOOK | CHAPTER'S NO. | TOPIC | PAGE NO. |
|---|---|---|---|
| COMPUTER SCIENCE WITH PYTHON | 1 | REVISION PYTHON OF CLASS XI. |  |
| COMPUTER SCIENCE WITH PYTHON | 2 | COMPUTATIONAL THINKING AND PROGRAMMING – 2 -REVISION OF PYTHON TOPICS COVERED IN CLASS XI. |  |
| COMPUTER SCIENCE WITH PYTHON | 3 | FUNCTIONS- INTRODUCTION, TYPES OF FUNCTION (BUILT-IN FUNCTIONS, FUNCTIONS DEFINED IN MODULE, USER DEFINED FUNCTIONS) |  |
| COMPUTER SCIENCE WITH PYTHON | 4 | FUNCTIONS: CREATING USER DEFINED FUNCTION, ARGUMENTS AND PARAMETERS, DEFAULT PARAMETERS, POSITIONAL PARAMETERS, FUNCTION RETURNING VALUE(S), FLOW OF EXECUTION, SCOPE OF A VARIABLE (GLOBAL SCOPE, LOCAL SCOPE) |  |

## SUBJECT: BIOLOGY

| NAME OF BOOK | CHAPTER'S NO. | TOPIC | PAGE NO. |
|---|---|---|---|
| A TEXTBOOK OF BIOLOGY XII NCERT | 2 | SEXUAL REPRRODUCTION IN FLOWERING PLANTS | 19-41 |
|  | 3 | HUMAN REPRODUCTION | 42-56 |
|  | 4 | REPRODUCTIVE HEALTH | 57-66 |