

Nishan-E-Sikhi International school khadur sahib
Syllabus (session 2026-27) Class XII
Subject English

Blueprint

Reading 22marks

Writing 18 marks

Literature 40marks

Internal Assessment 20 marks

Periodic Test 1

Flamingo: The last lesson

Poem: My mother at Sixty six

Writing: Notice writing

Periodic Test 2

Vistas: The third level

Poem My mother at sixty six

Writing: Classified Advertisements

Term 1

Section A READING

I. Reading comprehension (,descriptive and literary passage)

II. Reading comprehension (factual passage)

Section B WRITING

Short writing task

I. Notice writing

2. Invitation writing (formal)

Long writing task

1. Letter to editor

2. Report writing

3. Article writing

BBC

Reading Classroom Assignment 1-5

Literature Extracts of (ch 1-3 Flamingo and Vistas)

Writing Notice writing, invitation writing (classroom Assignment 1-5)

Section C Literature

Book Flamingo

1. The last lesson

2. Lost spring

3. Deep water

Poetry

1. My mother at sixty six

2. Keeping Quiet

Book Vistas

1. The tiger king

2. The third level

3. The Enemy

Activity: Assessment of listening and speaking

Term 2

Section A READING

I. Reading comprehension (,descriptive and literary passage)

II. Reading comprehension (factual passage)

Section B WRITING

Short writing task

1. Formal and informal Invitation

2. Notice writing

Long writing task

1. Job application letter, letter to editor

2. Report writing

3. Article writing

BBC

Reading Practice Assignment 1-5

Literature Extracts of (ch 4-6 Flamingo and Vistas)

Writing Notice writing, invitation writing (Practice Assignment 1-5)

Section C literature

Flamingo:

1. The Rattrap

2. Indigo

3. Going Places

Poetry:

1. A thing of beauty

2. Aunt Jennifer's tiger

3. A Roadside stand

Vistas:

1. On the face of it

2. The interview

4. Memories of childhood

Pre-Board Examination full syllabus

Activity: 1. To prepare Assignment on "How use of paper affects environment "

Assessment of speaking and listening

NISHAN E SIKHI INTERNATIONAL SCHOOL, KHADUR SAHIB

SESSION (2026-27)

CLASS-XII (COMMERCE)

SUBJECT- ACCOUNTANCY

Book: Double Entry Book Keeping (T.S.GREWAL)

Publisher: Sultan Chand

Blueprint

Theory: 80 Marks

Project: 20 Marks

Units	Topic	Marks
Part A	Accounting for Partnership Firms and Companies	
	Unit 1. Accounting for Partnership Firms	36
	Unit 2. Accounting for Companies	24
		60
Part B	Financial Statement Analysis	
	Unit 3. Analysis of Financial Statements	12
	Unit 4. Cash Flow Statement	08
		20
Part C	Project Work	20
	Project work will include:	
	Project File (12 Marks)	
	Viva Voce (08 Marks)	

MARKING SCHEME:

*The question paper contains 34 questions.

*Question 1 to 16 and 27 to 30 carries 1 mark each. *Questions 17 to 20, 31 and 32 carries 3 marks each.

*Questions from 21, 22 and 33 carries 4 marks each. *Questions from 23 to 26 and 34 carries 6 marks each.

PERIODIC TEST-1

1. Partnership Accounts – Fundamentals
2. Partnership Accounts - Goodwill
3. Partnership Accounts - Change in Profit Sharing Ratio

PERIODIC TEST-2

4. Partnership Accounts - Admission
5. Partnership Accounts - Retirement
6. Partnership Accounts – Death

TERM-1

(VOLUME I)

1. Partnership Accounts – Fundamentals
2. Partnership Accounts - Goodwill
3. Partnership Accounts - Change in Profit Sharing Ratio
4. Partnership Accounts - Admission
5. Partnership Accounts - Retirement
6. Partnership Accounts – Death
7. Partnership Accounts – Dissolution

(VOLUME II)

8. Company Accounts - Issue of Shares
9. Company Accounts - Issue of Debentures

PRE-BOARD –I (DECEMBER)

VOLUME-I (ALL CHAPTERS)

VOLUME-II (ALL CHAPTERS)

(VOLUME III)

10. Financial Statements of a Company
11. Financial Statement Analysis
12. Comparative Statements and Common Size Statements
13. Ratio Analysis
14. Cash Flow Statement

PRE-BOARD –II (JANUARY) – All syllabus of final term

NISHAN-E-SIKHI INTERNATIONAL SCHOOL
SUBJECT-, BUSINESS STUDIES (XII)
SYLLABUS-(2026 - 27)

Book reference-Business studies by Poonam Gandhi

Blue Print- 80 marks.

Time- 3 hr

Practical Assessment -20 marks

Total – 100 marks

Marks. No of questions

1(MCQ Based) 1to 20

3 (short question) 21 to 24

4 (case study) 25 to 30

6 (case study based) 31 to 34

Periodic test -1 (20 marks)

unit- 1(Nature and significance of management)

Unit-2(Principles of management)

Periodic test -2 (20 marks)

Unit-3 (Business Environment)

Unit-4(planning)

Term- 1

Unit1, Nature and function of management

Unit2, Principles of management

Unit3, Business Environment

Unit4, Planning

Unit5, Organizing

Unit6, Staffing

Unit7, Directing

Unit8, Controlling

PRE BOARD -1 and PRE BOARD-2 Syllabus

Unit1, Nature and function of management

Unit2, Principles of management

Unit3, Business Environment

Unit4, Planning

Unit5, Organizing

Unit6, Staffing

Unit7, Directing

Unit8, Controlling

Unit9, Financial Management

Unit10, Financial Markets

Unit11, Marketing Management

Unit12, Consumer Protection

Final examination Annual Examination (full syllabus)

Syllabus

12 class Commerce 2026-27

Blue print Economics (Total marks 80)

1 to 10 Question 1 mark

11,12 question 3 marks

13 ,14,15 question 4 marks

16 and 17 question 6 marks

18 to 27 question 1 mark

28,29 question 3 marks

30,31,32 question 4 marks

33,34 question 6 marks

Total marks= Theory (80) + Project(20) = 100

Term -1

Macro Economics

Chapter 1 : Introduction

Chapter 2 : National Income Accounting

Chapter 3 : Money and Banking

Indian Economic Development

Chapter 1 - Indian Economy On The Eve Of Independence

Chapter 2 - Indian Economy 1950-1990

Chapter 3 - Liberalisation, Privatisation Globalisation

Chapter 4 - Poverty

Term-2

Macro economics

Chapter 5 : Government Budget and The Economy

Chapter 6 : Open Economy Macroeconomics

Chapter 5 - Human Capital Formation In India

Indian Economic Development

Chapter6 - Rural Development

Chapter 7 - Employment: Growth Informalisation & Other Issues

Chapter 8 - Infrastructure --> Dropped for Rationalised Content only

Chapter 9 - Environment & Sustainable Development

Chapter 10 - Comparative Development Experiences of India & Its Neighbor

PT-1 Money and Banking

PT-2 Indian Economy 1950 to 1991

PT-3 Government Budget

PT-4 Infrastructure

Final exam Term 2 = Full Syllabus(Term1 + Term 2)

SUBJECT-BIOLOGY

CODE NO.-044

CLASS-XII(2026-27)**PRESCRIBED BOOKS-**

Text book	Text book for class XII, Published by NCERT
Reference book	Pradeep's text book of biology, vol-I,II
Authors	P.S. Dhami, Dr. G. Chopra, Dr. H. N. Srivastava
Publisher	Pradeep Publication
Lab Manual	Evergreen biology lab manual, class 12 Author- Dr.Raman Soni, K.K. Plaha,C.K. Punnoose Publisher- Evergreen Publications

BLUE PRINT**THEORY EXAMINATIONS -70M**

Marks	No.of questions	Total marks
1	13M.C.Q.+3 ASSERTION REASON	16
2	5	10
3	7	21
4	2 Case studies	8
5	3	15

PRACTICAL EXAMINATIONS -30M

One Major Experiment	5 Marks
One Minor Experiment	4 Marks
Slide Preparation	5 Marks
Spotting	7 Marks
Practical Record + Viva Voce	4 Marks

Project Record + Viva Voce	5 Marks
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TERM-I

PERIODIC TEST-I

Chapter-1: Sexual Reproduction in Flowering Plants

Chapter-2: Human Reproduction

PERIODIC TEST-II

Chapter-4: Principles of Inheritance and Variation

Chapter-5: Molecular Basis of Inheritance

HALF YEARLY EXAMINATIONS

Chapter-1 Sexual Reproduction in Flowering Plants

Chapter-2 Human Reproduction

Chapter-3 Reproductive Health

Chapter-4: Principles of Inheritance and Variation

Chapter-5 Molecular Basis of Inheritance

Chapter-6 Evolution

EXPERIMENTS

A. List of Experiments-

1. Prepare a temporary mount to observe pollen germination.
2. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc
3. Study the plant population density by quadrat method.

B. Study and observe the following (Spotting)-

1. Flowers adapted to pollination by different agencies (wind, insects, birds).
2. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
3. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).
4. T.S. of blastula through permanent slides (Mammalian).
5. Mendelian inheritance using seeds of different colour/sizes of any plant.
6. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.

PRE-BOARD

Chapter-1 Sexual Reproduction in Flowering Plants

Chapter-2 Human Reproduction

Chapter-3 Reproductive Health

Chapter-4 Principles of Inheritance and Variation

Chapter-5 Molecular Basis of Inheritance

Chapter-6 Evolution

Chapter-7 Human Health and Diseases

Chapter-8: Microbes in Human Welfare

Chapter-9 Biotechnology - Principles and Processes

Chapter-10 Biotechnology and its Application

Chapter-11 Organisms and Population

Chapter-12 Ecosystem

Chapter-13 Biodiversity and its Conservation

EXPERIMENTS

A. List of Experiments-

1. Prepare a temporary mount to observe pollen germination.
2. Study the plant population density by quadrat method.
3. Study the plant population frequency by quadrat method.

4. Prepare a temporary mount of onion root tip to study mitosis.
5. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc

B. Study and observe the following (Spotting)-

1. Flowers adapted to pollination by different agencies (wind, insects, birds).
2. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
3. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice)
4. Meiosis in onion bud cell or grasshopper testis through permanent slides.
5. T.S. of blastula through permanent slides (Mammalian).
6. Mendelian inheritance using seeds of different colour/sizes of any plant.
7. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.

NISHAN – E – SIKHI INTERNATIONAL SCHOOL, KHADUR SAHIB

SYLLABUS

SESSION 2026-2027

CLASS – XII (SCIENCE)

SUBJECT- CHEMISTRY

REFERENCE BOOK:

Book Name: Pradeep's New Course Chemistry

Author: Dr. S.C. KHETERPAL and Dr. S.N. Dhawan

Publisher: Pradeep Publications INDIA

BLUEPRINT:

Theory – 70 marks

Practical – 30 marks

- The question paper contains 33 questions.
- Question paper is divided into FIVE sections – Section A, B, C, D and E.
- **SECTION – A** question number 1 to 16 are multiple choice type questions. Each question carries 1 mark.
- **SECTION – B** question number 17 to 21 are very short answer type questions. Each question carries two marks.
- **SECTION – C** question number 22 to 28 are short answer type questions. Each question carries 3 marks.
- **SECTION – D** question number 29 to 30 are case-based questions. Each question carries 4 marks.
- **SECTION – E** question number 31 to 33 are long answer type questions. Each question carries 5 marks.
- There is no overall choice given in the question paper. However, an internal choice has been provided in few questions in all the sections except Section– A.

TERM – 1

Periodic Test – I

- Chapter 1 : Solutions
- Chapter 6 : Haloalkanes and Haloarenes

Periodic Test – II

- Chapter 7 : Alcohols, Phenols and Ethers

- Chapter 5 : Coordination Compounds
- HALF YEARLY EXAMINATION**
- Chapter 1 : Solutions
 - Chapter 6 : Haloalkanes and Haloarenes
 - Chapter 7 : Alcohols, Phenols and Ethers
 - Chapter 5 : Coordination Compounds
 - Chapter 4 : d- and f- block elements

TERM – II

- Chapter 1 : Solutions
- Chapter 2 : Electrochemistry
- Chapter 3 : Chemical Kinetics
- Chapter 4 : d- and f- block Elements
- Chapter 5 : Coordination Compounds
- Chapter 6 : Haloalkanes and Haloarenes
- Chapter 7 : Alcohols, Phenols and Ethers
- Chapter 8 : Aldehydes, Ketones and Carboxylic acids
- Chapter 9 : Amines
- Chapter 10 : Biomolecules

Preboard - I

All Syllabus

Preboard - II

All Syllabus

Nishan -E-Sikhi International School, Khadur Sahib

Session 2026-27

Syllabus for class XII

Subject :- Mathematics

Blue Print: Written exam: 80 marks

Book :- Mathematics Part 1 & 2 by NCERT

Marks	Number of Questions	Total
1 mark (MCQ)	18	$1 \times 18 = 18$
1Mark (Assertion & Reasoning)	2	$2 \times 1 = 2$
2 mark	5	$2 \times 5 = 10$
3 mark	6	$3 \times 6 = 18$
5 mark	4	$5 \times 4 = 20$
Case study based question (4 mark)	3	$3 \times 4 = 12$

Internal Assessment: 20 marks

Periodic test - 10 marks

Mathematical Activities & Art Integrated Activities- 10 marks

TERM -1

Periodic test 1: Chapter- 3, 4 Matrices & Determinants

Periodic test 2: Chapter- 5 Continuity & Differentiability

Chapter No.	Name of Chapter
2	Inverse Trigonometric function
3	Matrices
4	Determinants
5	Continuity & Differentiability
6	Application of Derivatives
10	vectors
12	Linear Programming

Activities

1. To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m) : l \perp m\}$ is symmetric but neither reflexive nor transitive.
2. To demonstrate a function which is not one-one but is onto?
3. To sketch the graph of a^x and $\log_a x$, $a > 0, a \neq 1$ and to examine that they are mirror images of each other.
4. To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.

TERM -2

Chapter No.	Name of chapter
1	Relations & Functions
7	Integration
8	Applications of integrations
9.	Differential Equations
11	Three Dimensional geometry

Activities

1. To evaluate the definite integral $\int_a^b \sqrt{1-x^2} dx$ as the limit of sum and verify it by actual integration.
2. To verify that angle in a semi-circle is a right angle, using vector method.
3. To measure the shortest distance between two skew lines and verify it analytically.
4. To explain the computation of conditional probability of a given event A , when event B has already occurred, through an example of throwing a pair of dice

Pre Board 1:- All Syllabus

Pre Board 2:- All Syllabus

ART INTEGRATION

Code NO:-	ART ACTIVITY
4.1.1.1.7	<p>USE OF VARIOUS MEDIA-PPT, VIDEO MAKING, CHART ETC.</p> <ul style="list-style-type: none"> ● Chart showing Domain & range of T- functions & Inverse T- functions ● Chart of various formulas of derivatives & Integration. ● PPT or video showing various 3-D Planes ,its complete analysis and equations
4.1.1.1.8	<p>USE OF COLOURS , DRAWING TOOLS, COLORFUL SHEETS, THREAD, WIRE & GRAPH WORK</p> <ul style="list-style-type: none"> ● Project files showing different graphs of T- functions & Inverse T- functions using different colors, wire or thread. ● Project files showing different types of relations & functions using paper cutting, wire, threads or any waste material. <p>CORREALTION WITH DAILY LIFE</p> <ul style="list-style-type: none"> ● To analyze the real life problem of maximizing and minimizing profit and to construct its constraints and solving it using LPP techniques. ● To solve the practical problem related to probability using conditional probability and bayes Theorem.
4.1.4.4	<p>DESIGNING THE SCHOOL MAGAZINE ,BULLETIN BOARDS,POSTERS</p> <ul style="list-style-type: none"> ● Chart showing important formulas to remember. ● Posters of various mathematicians and their life history or achievements to be publish in school magazine or on bulletin board. ● Celebration of World’s Mathematics day on 22 dec <p>ANY OTHER FORM NOT LISTED ABOVE</p> <ul style="list-style-type: none"> ● Colorful mind maps ● Handmade colorful crossword puzzles ● Quizzes ● Flash Cards ● Magic box , wall hangings , etc.

PHYSICS
(Code No. 042)
COURSE STRUCTURE
Class XII – 2026-2027

PRESCRIBED BOOKS:

- Textbooks: Physics (Part-I & Part II), Textbook for Class XII, Published by NCERT
- Reference Books: New Simplified Physics Volume I & II Class XII, Author: SL Arora, Publisher: Dhanpat Rai & Co.
- Lab Manual: Lab Manual of Physics, Class XII, Author: SL Arora, Publisher: Dhanpat Rai & Co.

BLUEPRINT:

Theory Examination: 70 Marks

The question paper will be comprised of 5 sections with total number of 33 questions as follow:

- Section A: 12 MCQ and 4 Assertion-Reason type questions of one mark each.
- Section B: 5 questions of two marks each.
- Section C: 7 questions of three marks each.
- Section D: 2 case study-based questions of 4 marks each
- Section E: 3 long questions of five marks each.

Note:

- All questions are compulsory. All sections are compulsory.
- There is no overall choice. However, an internal choice has been provided in one question in section B, one question in section C, one question in each CBQ in section D and all three questions in section E. You have to attempt only one of the choices in such questions.
- Use of calculators is not allowed.

Practical Examination: 30 Marks

- The practical examination includes following aspects:
- Two experiments one from each section 7+7 Marks
- Practical record (experiment and activities) 5 Marks
- One activity from any section 3 Marks
- Investigatory Project 3 Marks
- Viva on experiments, activities and project 5 Marks

TERM- I

Theory Examination:

Periodic Test- I:

- Chapter–1: Electric Charges and Fields
- Chapter–2: Electrostatic Potential and Capacitance

Periodic Test- II:

- Chapter–4: Moving Charges and Magnetism
- Chapter–5: Magnetism and Matter

Term- I Examination:

- Full Syllabus of Term- I.

Chapter–1: Electric Charges and Fields
Chapter–2: Electrostatic Potential and Capacitance
Chapter–3: Current Electricity
Chapter–4: Moving Charges and Magnetism
Chapter–5: Magnetism and Matter
Chapter–6: Electromagnetic Induction
Chapter–7: Alternating Current

Practical Examination:

Experiments: (At least 4).

1. To determine resistivity of two / three wires by plotting a graph for potential difference versus current.
2. To find resistance of a given wire / standard resistor using metre bridge.
3. To verify the laws of combination (series) of resistances using a metre bridge.

OR

To verify the laws of combination (parallel) of resistances using a metre bridge.

4. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
5. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same.

OR

To convert the given galvanometer (of known resistance and figure of merit) into an ammeter

of desired range and to verify the same.

6. To find the frequency of AC mains with a sonometer.

Activities (At least 3).

1. To measure the resistance and impedance of an inductor with or without iron core.
2. To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multimeter.
3. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.
4. To assemble the components of a given electrical circuit.
5. To study the variation in potential drop with length of a wire for a steady current.
6. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.

TERM- II

Pre-Board Examination:

- Full Syllabus of Term- I and Term- II.

Final Board Examination by CBSE:

- Full Syllabus of Term- I and Term- II.

Chapter–8: Electromagnetic Waves
Chapter–9: Ray Optics and Optical Instruments
Chapter–10: Wave Optics
Chapter–11: Dual Nature of Radiation and Matter
Chapter–12: Atoms
Chapter–13: Nuclei
Chapter–14: Semiconductor Electronics

Practical Examination:

Experiments: (At least 4).

1. To find the value of v for different values of u in case of a concave mirror and to find the focal length.
2. To find the focal length of a convex mirror, using a convex lens.
3. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$
4. To find the focal length of a concave lens, using a convex lens.
5. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
6. To determine refractive index of a glass slab using a travelling microscope.
7. To find the refractive index of a liquid using convex lens and plane mirror.
8. To find the refractive index of a liquid using a concave mirror and a plane mirror.
9. To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.

Activities (At least 3)

1. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.
2. Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order.
3. To study effect of intensity of light (by varying distance of the source) on an LDR.
4. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.
5. To observe diffraction of light due to a thin slit.
6. To study the nature and size of the image formed by a (i) convex lens, or (ii) concave mirror, on a screen by using a candle and a screen (for different distances of the candle from the lens/mirror).
7. To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.

Suggested Investigatory Projects

1. To study various factors on which the internal resistance/EMF of a cell depends.
2. To study the variations in current flowing in a circuit containing an LDR because of a variation in the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance).the distance of a incandescent lamp (of fixed power) used to 'illuminate' the LDR.
3. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equiconvex lens (made from a glass of known refractive index) and an adjustable object needle.

4. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
5. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
6. To estimate the charge induced on each one of the two identical Styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
7. To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
8. To study the earth's magnetic field using a compass needle -bar magnet by plotting magnetic field lines and tangent galvanometer.

Practical Examination for Visually Impaired Students

Items for Identification/ familiarity with the apparatus for assessment in practicals (All experiments)

Meter scale, general shape of the voltmeter/ammeter, battery/power supply, connecting wires, standard resistances, connecting wires, voltmeter/ammeter, meter bridge, screw gauge, jockey Galvanometer, Resistance Box, standard Resistance, connecting wires, Potentiometer, jockey, Galvanometer, Lechlanche cell, Daniell cell [simple distinction between the two vis-à-vis their outer (glass and copper) containers], rheostat connecting wires, Galvanometer, resistance box, Plug-in and tapping keys, connecting wires battery/power supply, Diode, Resistor (Wire-wound or carbon ones with two wires connected to two ends), capacitors (one or two types), Inductors, Simple electric/electronic bell, battery/power supply, Plug- in and tapping keys, Convex lens, concave lens, convex mirror, concave mirror, Core/hollow wooden cylinder, insulated wire, ferromagnetic rod, Transformer core, insulated wire.

List of Practicals

1. To determine the resistance per cm of a given wire by plotting a graph between voltage and current.
2. To verify the laws of combination (series/parallel combination) of resistances by Ohm's law.
3. To find the resistance of a given wire / standard resistor using a meter bridge.
4. To determine the resistance of a galvanometer by half deflection method.
5. To identify a resistor, capacitor, inductor and diode from a mixed collection of such items.
6. To observe the difference between a convex lens and a concave lens, a convex mirror and a concave mirror and to estimate the likely difference between the power of two given convex /concave lenses.
7. To design an inductor coil and to know the effect of change in the number of turns, Introduction of ferromagnetic material as its core material on the inductance of the coil.
8. To design a (i) step up (ii) step down transformer on a given core and know the relation between its input and output voltages.

Note: The above practicals may be carried out in an experiential manner rather than recording observations.

NISHAN E SIKHI INTERNATIONAL SCHOOL KHADUR SAHIB

PAINTING SYLLABUS OF CLASS 12 (SESSION 2026-27)

Book name- Learning objectives of PANORAMIC Indian Painting

Publisher – RC Luthera, CK Luthera and Nidhi Sharma

Blue print – Theory (30 marks)

Mcqs – 8 marks

Short questions -10 marks

Long questions -12 marks

Theory

Unit 1. Six limbs of indian painting, fundamentals of visual arts, the rajasthani and pahari school of miniature paintings

1.Art – an introduction

Periodic Test 1

2. Introduction to Indian Miniature schools

3.Rajasthani school of miniature paintings

Periodic Test 2

4. Pahari school of miniature paintings

Unit 2. The Mughal and Deccan schools of miniature paintings

5. Mughal school of miniature paintings

6. Deccan schools of miniature paintings

Term 1

Unit 1 and unit 2 full

Unit 3. Indian National flag, The Bengal school of painting and the Modern Trends in Indian Art.

7. National Flag of Indian and the symbolic significance of its forms and colours.

8. Introduction to the Bengal school of painting

9. The modern trends in Indian Art

Pre board

Full syllabus

Practical (70 marks)

Landscape in oil pastels/posters

Still life in oil pastels

Nishan – E – Sikhi International School, Khadur Sahib.

Syllabus for Class – 12 IT Session 2026-27

Prescribed book=Excel in Information Technology code-402

Publisher-Cordova

Blue Print Total mark =100 (Theory - 60 + Practical - 40)

Part A =10 marks

Part B=50 marks

Part C=30 marks

Part D=10 marks

Part –A

10 marks

Employability Skills

TERM I

Unit 1 : Communication Skills-IV

Unit 2 : Self-Management Skills-IV

Unit 3 : ICT Skills-IV

TERM II

Unit 4 : Entrepreneurial Skills-IV

Unit 5 : Green Skills-IV

Part –B

50 marks

Subject specific skills

TERM I

Unit 1: Database concept -RDBMS Tool

Unit 2: Operating Web Based Applications

Unit 3: Java

TERM II

Unit 4:Work integrated learning IT-DMA

Part C

35 marks

Practical work

Office Automation Tools

Java Programme

MySQL Commands

Viva

Part D

5 marks

Project work

PHYSICAL EDUCATION(048)
ClassXII(2026-27)

BLUEPRINT: 70 marks

SEC	TYPE OF QUESTION	NO'S OF QUESTIONS	MARKS	TOTAL
A	MCQ	1 TO 18	1	18
B	VERY SHORT QUESTIONS	19 TO 24 (any five)	2	10
C	SHORT QUESTION	25 TO 30 (any five)	3	15
D	CASE STUDY	31 TO 33 (internal choice)	4	12
E	LONG QUESTION	34 TO 37 (any three)	5	15

PT 1: Unit I Management of Sporting Events

PT 2: UnitIII Yoga as Preventive measure for Lifestyle Disease

TERM I

Unit I Management of SportingEvents

- Functions of Sports Events Management (Planning, Organizing, Staffing, Directing & Controlling)
- Various Committees & their Responsibilities (pre; during & post)
- Fixtures and its Procedures–Knock-Out (Bye & Seeding) & League (Staircase & Cyclic)

Unit II Children & Women in Sports

- Common Postural Deformities - Knock Knee; Bow Legs; Flat Foot; Round Shoulders ; Lordosis , Kyphosis, and Scoliosis and their corrective measures
- Special consideration (Menarche & Menstrual Dysfunction)
- Female Athletes Triad (Osteoporosis, Amenorrhea ,Eating Disorders)

Unit III Yoga as Preventive measure for Lifestyle Disease

- Obesity: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Pavanmuktasana, Matsayasana, Halasana, Pachimottansana, Ardha –

Matsyendrasana, Dhanurasana, Ushtrasana, Suryabedhan pranayama.

- Diabetes: Procedure, Benefits & Contraindications for Katichakrasana, Pavanmuktasana, Bhujangasana, Shalabhasana, Dhanurasana, Supta-vajarasana, Paschimottanasana, Ardha-Mastendrasana, Mandukasana, Gomukasana, Yogmudra, Ushtrasana, Kapalabhati.
- Asthma: Procedure, Benefits & Contraindications for Tadasana, Urdhwahastottansana, UttanMandukasana, Bhujangasana, Dhanurasana, Ushtrasana, Vakrasana, Kapalabhati, Gomukhasana Matsyaasana, Anuloma-Viloma.
- Hypertension: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Uttanpadasana, ArdhaHalasana, SaralaMatyasana, Gomukhasana, UttanMandukasana, Vakrasana, Bhujangasana, Makarasana, Shavasana, Nadi-shodhanapranayam, Sitlipranayam.

Unit IV Physical Education & Sports for CWSN (Children with Special Needs- *Divyang*)

- Organizations promoting Disability Sports (Special Olympics Paralympics; Deaflympics)
- Advantages of Physical Activities for children with special needs.
- Strategies to make Physical Activities assessable for Children with special needs.

Unit V Sports & Nutrition

- Concept of balance diet and nutrition
- Macro and Micro Nutrients : Food sources & functions
- Nutritive & Non-Nutritive Components of Diet

TERM II

Unit VI Test & Measurement in Sports

- Fitness Test–SAI Khelo India Fitness Test In school:
 - Age group 5-8yrs/ class1-3: BMI, Flamingo Balance Test, Plate Tapping Test
 - Age group 9-18yrs/ class 4-12: BMI, 50mt Speed test, 600mt Run/Walk, Sit & Reach flexibility test, Strength Test (Abdominal Partial Curl Up, Push-Ups for boys, Modified Push-Ups for girls).
- Computing Basal Metabolic Rate (BMR)
- Rikli & Jones – Senior Citizen Fitness Test
 - I. Chair Stand Test for lower body strength
 - II. Arm Curl Test for upper body strength
 - III. Chair Sit & Reach Test for lower body flexibility
 - IV. Back Scratch Test for upper body flexibility
 - V. Eight Foot Up & Go Test for agility
 - VI. Six Minute Walk Test for Aerobic Endurance

Unit VII Physiology & Injuries in Sports

- Physiological factors determining components of physical fitness
- Effect of exercise on Muscular System
- Effect of exercise on Cardio-Respiratory System
- Sports injuries: Classification (Soft Tissue Injuries -Abrasion, Contusion, Laceration, Incision, Sprain & Strain; Bone & Joint Injuries - Dislocation, Fractures - Green Stick, Comminuted, Transverse Oblique & Impacted)

Unit VIII Biomechanics & Sports

- Newton's Law of Motion & its application in sports
- Equilibrium – Dynamic & Static and Centre of Gravity and its application in sports
- Friction & Sports
- Projectile in Sports

Unit IX Psychology & Sports

- Personality; its definition & types (Jung Classification & Big Five Theory)
- Meaning, Concept & Types of Aggressions in Sports
- Psychological Attributes in Sports – Self Esteem, Mental Imagery, Self Talk, Goal Setting

Unit X Training in Sports

- Concept of Talent Identification and Talent Development in Sports
- Introduction to Sports Training Cycle – Micro, Meso, Macro Cycle.
- Types & Method to Develop –Strength, Endurance and Speed
- Types & Method to Develop –Flexibility and Coordinative Ability

PRE BOARD: 1 (ALL SYLLABUS)

PRE BOARD: 2 (ALL SYLLABUS)

Practical (30 marks)

Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)

Proficiency in Games and Sports (Skill of anyone IOA recognized Sport / Game of Choice)

Yogic Practice

Record File

Sewa project

