ECONOMICS (Code No. 030)

CLASS–12 (2021-2022)

Theory: 80 Marks
Project: 20 Marks

Blue Print

Mark	Number of Questions	
1 mark	20	
3 marks	2	
4 marks	5	
6 marks	3	
8 marks	2	Total (80)
32		

TERM-1 Chapter-1
Introduction of macro economics (Macro economics)

Chapter-1 Indian economy on the eve of Independence (Indian economy)

Chapter-2 National income accounting (macro economics)

Chapter-2 Indian Economy 1952-1990 (India) Chapter-3 Money
and banking (macro economic) Chapter-4 Determination of income
and employment (macro economics) Chapter-3 Liberalization, privatization and globalization
(Indian economy) Chapter-4 Poverty (Indian economy)

Chapter-5 Human capital formation in India (Indian economy)

Chapter-6 Rural development (Indian economy)

PERIODIC TEST-1

Chapter-1 Introduction of macro economics (Macro economics)

Chapter-1 Indian economy on the eve of Independence (Indian economy)

PERIODIC TEST- 2

Chapter-2 National income accounting (macro economics)

Chapter-2 Indian Economy 1952-1990 (Indian economy)

TERM-1: Chapter=1, 2, 3, 4 (macro economics)

Chapter=1,2,3,4,5,6 (Indian economy)

TERM -2   Chapter- 5 Government budget and the economy (Macro economics)

Chapter- 8 Infrastructure (Indian economy)

Chapter-6 Open economy (Macro economics)

Chapter-9 Environment and sustainable development (Indian economy)

Chapter-7 Employment , growth, Informalisation and other issues (Indian economy)

Chapter-10 Comparative study of Economy of India,China and Pakistan

PERIODIC TEST- 3   Chapter- 5 Government budget and the economy (Macro economics)

Chapter- 8 Infrastructure (Indian economy)   **PERIODIC TEST-4**

Chapter-6 Open economy (Macro economics)

Chapter-9 Environment and sustainable development (Indian economy)

TERM- 2: Included Term 1, Periodic Test – 3 and 4

Chapter-7 Employment , growth, Informalisation and other issues (Indian economy)

Chapter-10 Comparative study of Economy of India,China and Pakistan

PROJECT WORK :- As per CBSE instructions.

ART INTEGRATION OF ECONOMICS

SR.NO:-	ART ACTIVITY
4.1.1.1.9	**USE OF VARIOUS MEDIA-PPT, CHART, SCRAP FILES ETC** • Comparative Development experiences of India and its Neighbour • PPT on Environmental and sustainable development **CORREALTION WITH HOME SCIENCE** • Discuss about Household Management **COLLAGE AND MOSAIC WORK** • Sources of business finance **VIDEO/FILM MAKING** • Visit to Bank • Visit to any factory (If they allow making of video) **DETAIL TALKS / LECTURES** • The students who lack confidence in speaking in front of other students, should be given the task of explaining a simple topic, as member of the group like Current Financial Budget. **ANY OTHER FORM NOT LISTED ABOVE** • Colorful mind maps • Handmade colorful crossword puzzles • Quizzes etc.

NISHAN-E-SIKHI INTERNATIONAL SCHOOL, KHADUR SAHIB

SYLLABUS CLASS 12 ENGLISH

FIRST TERM

Flamingo:

Prose

1. The Last Lesson

2. Lost Spring

3. Deep Water

4. The Rattrap

Poetry:

1. My Mother at Sixty Six

2. An Elementary School Classroom in a Slum

3. Keeping quiet

Vistas:

1. The Third Level

2. The Tiger King

3. Journey to the End of the Earth

4. The Enemy

5. Should Wizard Hit Mommy

Advertisements and notices, designing or drafting posters, writing formal and informal invitations and replies.

Letters based on verbal / visual input.

PT 1

Chapter 1: The Last Lesson

Chapter 1 : The Third Level

Poem –My Mother at Sixty Six

PT 2

Chapter 2: The Tiger king

Chapter 2: Lost Spring

Poem –An Elementary School Classroom in a Slum

ART INTEGRATED ACTIVITY

PLAY

TERM 2

5. Indigo

6. Poets and Pancakes

7. The Interview

8. Going Places

Poetry

4. A Thing of Beauty

5. A Roadside Stand

6. Aunt Jennifer's Tigers

Vistas

6. On the Face of It

7. Evans Tries an O-Level

8. Memories of Childhood

9. The Cutting of My Long Hair

10.We too are Human Being

Article

Debate

Speech

Report writing

PT3

Chapter 6: On the face of it

Chapter 5: Indigo

Poem –A thing of beauty

PT 4

Chapter 6: Poets and Pancakes

Chapter 7: Evans tries an O level

Poem –A Roadside Show

ART INTEGRATED ACTIVITY

Speech writing showing importance of cultural diversities in various culture with help of pictures

PROJECT

To collect photographs of various products and writing advertisements on the basis of them

NOTE: FINAL TERM WILL COVER THE WHOLE SYLLABUS

Nishan -E-Sikhi International School,Khadur Sahib

Session 2020-21

Syllabus for class XII

Subject Mathematics

Blue Print: Written exam : 80 marks

Marks	Number of Questions	Total
1 mark (V.Short questions)	16	1×16=16
1 mark (Case study based MCQ)	8	1×8=8
2 mark	10	2×10=20
3 mark	7	3×7=21
5 mark	3	5×3=15

Internal Assessment: 20 marks

Periodic test - 10 marks

Mathematical Activities & Art Integrated Activities-   10 marks

TERM -1

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

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
11	Three Dimensional geometry

Activities

1. To verify that the relation R in the set L of all lines in a plane, defined by R={(l,m):l^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 find analytically the limit of a function f(x) at x=c and also to check the continuity of the function at that point.
5. To understand the concepts of local maxima, local minima and point of inflection

TERM -2

Periodic test 3: Ch-7 Integration

Periodic test 4: Ch-13 Probability

Ch -12 Linear Programming

Chapter No.	Name of chapter
1	Relations & Functions
7	Integration
8	Applications of integrations
9.	Differential Equations
12	Linear Programming
13	Probability

Activities

1. To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.
2. To evaluate the definite integral $\int_a^b \sqrt{(1-x^2)}$ dx as the limit of sum and verify it by actual integration.
3. To verify that angle in a semi-circle is a right angle, using vector method.
4. To measure the shortest distance between two skew lines and verify it analytically.
5. 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

NOTE: First term syllabus will be included in second term.

ART INTEGRATION

CodeNO:-	ART ACTIVITY
4.1.1.1.7	**USE OF VARIOUS MEDIA-PPT, VIDEO MAKING, CHART ETC.** • 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	**USE OF COLOURS , DRAWING TOOLS, COLORFUL SHEETS, THREAD, WIRE & GRAPH WORK** • 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. **CORREALTION WITH DAILY LIFE** • 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	**DESIGNING THE SCHOOL MAGAZINE ,BULLETIN BOARDS,POSTERS** • 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 **ANY OTHER FORM NOT LISTED ABOVE** • Colorful mind maps • Handmade colorful crossword puzzles • Quizzes • Flash Cards • Magic box , wall hangings , etc.

SUBJECT: PHYSICAL EDUCATION

CLASS: Xll

SESSION: 2020 – 2021

M.M. 100 (THEORY: 70 MARKS, PRACTICAL: 30 MARKS)

TERM- 1

Unit I: Planning in Sports

- ✓ Meaning & Objectives of planning
- ✓ Various Committees & their responsibilities (pre, during & post)
- ✓ Tournament – Knockout, league or round robin & combination
- ✓ (pre, during & post)
- ✓ Tournament – Knockout, league or round robin & combination
- ✓ Procedure to draw fixture – knockout (bye & seeding) & league (staircase & cyclic)
- ✓ Intramural & Extramural – meaning, objectives & its significance
- ✓ Specific sports programmes – (Sports day, Health run, Run for fun , Run for specific cause & Run for Unity)

Unit II: Sports & Nutrition

- ✓ Balanced diet & nutrition : macro & Micro nutrients
- ✓ Nutritive & Non Nutritive components of diet
- ✓ Eating for weight control – A healthy weight, the pitfalls of dieting, food intolerance & food myths

Unit III: Yoga & Lifestyle

- ✓ Asanas as preventive measures
- ✓ Obesity : Procedure, benefits & contraindications for vajrasana,Hostottanasana,Trikonasana,Ardha Mastsyendrasana
- ✓ Diabetes: Procedure, benefits & contraindications for Bhujandasana, Paschimottansana, Pavanmuktasana, Ardha Mastsyendrasana
- ✓ Hypertension: Procedure, benefits & contraindications for Tadasana , Vajrasana, Pavan muktasana,ardhchakrasana, Bhujandasana, Shavasana
- ✓ Asthma: Procedure, benefits & contraindications for Sukhasana, Chakrasana, Gomukhasana, Parvatsana, Bhujangasana, Paschimottanasana,Matsyasana
- ✓ Backpain: Tadasna, Ardha matsyendrasana, Vakrasana, Shalabhasana, Bhujangasana.

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

- ✓ Concept of disability & disorder
- ✓ Types of disability, its causes & nature (Cognitive disability, Intellectual disability, Physical disability)
- ✓ Types of disorder, its cause & nature (ADHD,SPD,ASD,ODD,OCD)
- ✓ Disability Etiquettes
- ✓ Advantage of physical activities for children with special need
- ✓ Stategies to make physical activities accessible for CWSN

Unit V: Children & Women in Sports

- ✓ Motor development & factors affecting it
- ✓ Exercise guidelines at different stages of growth & development
- ✓ Commonpostural deformities – knock knee, flatfoot, round shoulder,lordosis,kyphosis,bow legs and scoliosis and their corrective measures
- ✓ Sports participation of women in India
- ✓ Special considerations (Menarche & Menstrual dysfunction)
- ✓ Female athlete traid (Osteoporosis, Amenorrhea and Eating disorders

Practical:

Practical-1: Fitness tests administration for all items.
Practical-2: Procedure for Asana, Benefits & Contraindication for any two Asana for each lifestyle
Disease.
Periodic test 1: Unit I Planning in Sports

Periodic test 2: Unit II Sports & Nutrition

Art Integrated Activities

Sr.no	Class	Activity	Code
1	1 to 12	General Exercise	4.4.4.1
2	6 to 8	Prepare a chart on your fav. game	4.4.1.8
3	9 to 12	Sewa Project	4.1.1.1.8

TERM- 2

Unit VI: Test & Measurement in Sports

- ✓ Motor fitness test – 50 M standing start, 600 m run/walk, sit & reach ,partial curlup,pushups (boys), modified pushups (girls),standing broad jump, agility – 4x10 m shuttle run.
- ✓ General motor fitness- - Borrow three item general motor ability (standing broad jump,Zig zag run, medicine ball put for boys: 03kg & for girl01 kg)
- ✓ Measurement of cardio vascular fitness- Harvard step test/ Rockport test
- ✓ Computation of fitness Index: <u>Duration of the exercise in second x 100</u>

          5.5 **x** pulse count of 1-1.5 min. after exercise
- ✓ Rikli & Jones – senior citizen fitness test
    - ❖ Chair stand test for lower body strength
    - ❖ Arm curl test for upper body strength
    - ❖ Chair sit & reach test for lower body flexibility
    - ❖ Back scratch test for upper body flexibility
    - ❖ Eight foot up & go test for agility
    - ❖ Six minute walk test for aerobic endurance

Unit VII: Physiology & Injuries in Sports

- ✓ Physiological factor determining component of physical education
- ✓ Effect of exercise on cardio respiratory system
- ✓ Effect of exercise on cardio Muscular system
- ✓ Physiological changes due to ageing
- ✓ Sports injuries: Classification (Soft tissue injuries, Abrasion, Contusion, Laceration, Incision, Sprain & strain)
- ✓ Bone & joint injuries: (Dislocation, Fractures: Stress fracture, greenstick fracture, Comminuted transverse, oblique and impacted) causes, prevention & treatment.
- ✓ First aid – Aim & objectives

Unit VIII: Biomechanics & Sports

- ✓ Meaning and importance of biomechanics in sports
- ✓ Types of movements (flexion,extension,abduction and adduction)
- ✓ Newton's law of motion & its application in sports
- ✓ Friction and sports

Unit IX: Psychology & Sports

- ✓ Personality : its definition and types – trait and types (Sheldon and jung classification) and big five theory

- ✓ Motivation, its types & techniques
- ✓ Exercise adherence, Reasons to exercise, benefits of exercise
- ✓ Strategies for enhancing adherence to exercise
- ✓ Meaning, concept & type of aggression in sports

Unit X: Training in Sports

- ✓ Strength- definition, types & methods of improving strength – isometric, isotonic & isokinetic
- ✓ Endurance – definition, types & methods to develop endurance – continuous training, interval training and fartlek training
- ✓ Speed – definition, types & method to develop speed – Acceleration run & pace run
- ✓ Flexibility – definition, types & methods to improve flexibility
- ✓ Coordinative abilities – definition & types
- ✓ Circuit traning - Introduction and its importance

Practical:

Practical-3: Procedure for administering Senior Citizen Fitness Test for 5 elderly family members.
Practical-4: Any one game of your choice out of the list above. Labelled diagram of field & equipment
(Rules, Terminologies & Skills).

Periodic test 3: Test & Measurement in Sports

Periodic test 4: Biomechanics & Sports

Art Integrated Activities

Sr.no	Class	Activity	Code
1	1 to 12	P.T Exercise	4.4.4.1
2	6 to 8	Slogan making on Sports day	4.4.1.8
3	9 to 12	Sewa Project	4.1.1.1.8

Class 12thPhysics
M.M. 100 (Theory: 70Marks   Practical :30 Marks)

Term -1

Periodic test 1: Unit I: Electrostatics

Periodic test 2: Unit II: Current Electricity

Unit I: Electrostatics

Unit II:Current Electricity

Unit III: Magnetic Effects of Current and Magnetism

Unit IV: Electromagnetic Induction and Alternating Currents
Unit V: Electromagnetic Waves

➢ Record of at least 15 Experiments [with a minimum of 6 from each section], to be
  performed by the students.

➢ Record of at least 5 Activities [with a minimum of 2 each from section A and section B],
  to be demonstrated by the teachers.
Experiments SECTION–A
1. To determine resistance per cm of a given wire by plotting a graph for potential
difference versus current.
2. To find resistance of a given wire using metre bridge and hence determine the
resistivity (specific resistance) of its material.
3. To verify the laws of combination (series) of resistances using a metre bridge.
4. To verify the laws of combination (parallel) of resistances using a metre bridge.
5. To compare the EMF of two given primary cells using potentiometer.
6. To determine the internal resistance of given primary cell using potentiometer.
7. To determine resistance of a galvanometer by half-deflection method and to find its
figure of merit.
8. To convert the given galvanometer (of known resistance and figure of merit) into a
voltmeter of desired range and to verify the same.
9. To convert the given galvanometer (of known resistance and figure of merit) into an
ammeter of desired range and to verify the same.
10. To find the frequency of AC mains with a sonometer.
Activities (For the purpose of demonstration only)
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 2
Periodic test 3: Unit VI: Optics
Periodic test 4: Unit VII: Dual Nature of Radiation and Matter

Unit I: Electrostatics

Unit II: Current Electricity

Unit III: Magnetic Effects of Current and Magnetism

Unit IV: Electromagnetic Induction and Alternating Currents
Unit V: Electromagnetic Waves

Unit VI: Optics
Unit VII: Dual Nature of Radiation and Matter
Unit VIII: Atoms and Nuclei
Unit IX: Electronic Devices
Unit X: Waves and Oscillations

Experiments

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 refractive index of a liquid by using convex lens and plane mirror.
8. To draw the I-V characteristic curve for a p-n junction in forward bias and reverse bias.
9. To draw the characteristic curve of a zener diode and to determine its reverse breaks down voltage.
10. To determine the wavelength of a laser beam by diffraction.
Activities (For the purpose of demonstration only)
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 polarization of light using two Polaroids.
6. To observe diffraction of light due to a thin slit.
7. To study the nature and size of the image formed by a (i) convex lens, (ii) concave mirror, on a screen by using a candle and a screen (for different distances of the candle from the lens/mirror).
8. To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.
9
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
(a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance).
(b) 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 equi convex lens (made from a glass of known refractive index) and an adjustable object needle.
4. To design an appropriate logic gate combination for a given truth table.
5. 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.
6. 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.
7. 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.
8. 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.
9. To study the earth's magnetic field using a tangent galvanometer.

Project
Make a model and submit its report.
Art integrated activities
Perform any one art integrated activity

4.1.1.1	**Study of visual resources (at home and in the surroundings) and means of creative expression.**
4.1.1.1.1	**Study of lines,strokes , colours, shades ,tones , textures etc. While organizing two dimensional space with two dimensional and three dimensional shapes and forms.**
4.1.1.1.7	**Study and use of various media and techniques to the extent of their availability.**
4.1.2.1.1	**Study of various materials such as clay,plaster of paris , soft stone ,wood , metal scraps , plastic sheets , bamboo , wire thread ,papers and cardboards , vegetables and other throw away available materials.**

ਨਿਸ਼ਾਨ-ਏ-ਸਿੱਖੀਇੰਟਰਨੈਸ਼ਨਲਸਕੂਲ

ਜਮਾਤਬਾਰ੍ਹਵੀਂ

ਵਿਸ਼ਾਪੰਜਾਬੀ

ਸਿਲੇਬਸਅਪ੍ਰੈਲ 2021। ਤੋਂਮਾਰਚ2022

● ਭਾਸ਼ਾ

ਸੰਖੇਪਰਚਨਾ

ਕਾਰ-ਵਿਹਾਰਦੇਪੱਤਰ

ਪੈਰਾ-ਰਚਨਾ

● ਵਿਹਾਰਕਵਿਆਕਰਨ

ਵਾਕਵਟਾਂਦਰਾ

ਅਖਾਣ/ਅਖਾਉਤਾ

● ਸਾਹਿਤ

ਕਵਿਤਾ

ਟੁੱਕੜੀਜੱਗਤੋਂਨਿਆਰੀ (ਭਾਈਵੀਰ ਸਿੰਘ)

ਤਾਜਮਹੱਲ (ਪ੍ਰੋ.ਮੋਹਨਸਿੰਘ)

ਚੁੰਮਚੁੰਮਰੱਖੇ (ਨੰਦਲਾਲਨੂਰਪੁਰੀ)

ਵਾਰਿਸਸ਼ਾਹ (ਅੰਮ੍ਰਿਤਾਪ੍ਰੀਤਮ)

ਕਹਾਣੀਆਂ

ਸਾਂਝ (ਸੁਜਾਨਸਿੰਘ)

ਨੀਲੀ (ਕਰਤਾਰਸਿੰਘਦੁੱਗਲ)

ਮਾੜਾਬੰਦਾ(ਪ੍ਰੇਮਪ੍ਰਕਾਸ਼)

ਪੰਜਾਬੀਸਭਿਆਚਾਰਦੀਜਾਣ-ਪਛਾਣ

ਪੰਜਾਬਦੇਮੇਲੇਤੇਤਿਉਹਾਰ (ਡਾ.ਐਸ.ਐਸ.ਵਣਜਾਰਾਬੇਦੀ)

ਪੰਜਾਬਦੇਰਸਮ- ਰਿਵਾਜ

ਪੰਜਾਬਦੀਆਂਲੋਕ-ਖੇਡਾਂ

ਪੀ. ਟੀ.1

ਵਾਕਵਟਾਂਦਰਾ

ਟੁੱਕੜੀਜੱਗਤੋਂ ਨਿਆਰੀ(ਕਵਿਤਾ)

ਸਾਂਝ (ਕਹਾਣੀ)

ਪੀ.ਟੀ. 2

ਅਖਾਣ

ਚੁੰਮਚੁੰਮਰੱਖੇ (ਕਵਿਤਾ)

ਪੰਜਾਬਦੇਮੇਲੇਤੇਤਿਉਹਾਰ

ਸਤਰ-ਦੂਜੀ

● ਭਾਸ਼ਾ

ਸੰਖੇਪਰਚਨਾ

ਕਾਰ-ਵਿਹਾਰਦੇਪੱਤਰ

ਪੈਰਾ-ਰਚਨਾ

● ਵਿਹਾਰਕਵਿਆਕਰਨ

ਵਾਕਵਟਾਂਦਰਾ

ਅਖਾਣ/ਅਖਾਉਂਤਾ

● ਸਾਹਿਤ

ਕਵਿਤਾ

ਮੇਰਾ ਬਚਪਨ (ਹਰਿਭਜਨ ਸਿੰਘ)

ਗੀਤ (ਸ਼ਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ)

ਕਹਾਣੀਆਂ

ਘਰ ਜਾਂ ਆਪਣੇ (ਗੁਲਜ਼ਾਰ ਸਿੰਘ ਸੰਧੂ)

ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਦੀ ਜਾਣ-ਪਛਾਣ

ਪੰਜਾਬ ਦੇ ਲੋਕ-ਨਾਚ (ਡਾ. ਜਗੀਰ ਸਿੰਘ ਨੂਰ)

ਪੀ. ਟੀ. 3

ਅਖਾਉਤਾ

ਮੇਰਾ ਬਚਪਨ (ਕਵਿਤਾ)

ਨੀਲੀ (ਕਹਾਣੀ)

ਪੀ. ਟੀ . 4

ਅਖਾਣ

ਵਾਰਿਸ ਸ਼ਾਹ (ਕਵਿਤਾ)

ਪੰਜਾਬ ਦੇ ਰਸਮ ਰਿਵਾਜ

Class – 12th

ACCOUNTANCY (055)

SESSION-2021-2022

Theory-80marks

Project Work-20 marks

Blue Print

Mark	Number of Questions
1 mark	20
3 marks	2
4 marks	5
6 marks	3
8 marks	2
Total (80)	32

TERM-1

PERIODIC TEST-1- VOLUME 1

Chapter- 2 Accounting for Partnership- fundamentals

Chapter-3 Goodwill: nature and valuation

PERIODIC TEST- 2- VOLUME 1

Chapter- 4 Change in profit- sharing ratio among the existing partners

Chapter-5 Admission of a partner

TERM-1: Chapter= 2, 3, 4, 5 (Periodic Test I and 2)

Chapter= 6 Retirement of a partner

Chapter-7 Death of a partner

Chapter-8 Dissolution of a partnership firm

PROJECT WORK: Project 1- Comprehensive project

Volume 2: Chapter-1 Share capital

Chapter-2 Issue of debentures

Chapter-3 Redemption of debentures

Part-B Chapter-1 financial statements of a company

Chapter-2 Financial statement analysis

Chapter-3 Tools of financial statement analysis- comparative statements and common- size statements

Chapter-4 Accounting Ratios

Chapter-5 Cash Flow Statement

VOLUME 1: Chapter- 1 Not for profit organization

PROJECT WORK 2 and 3- Specific Project -1 (Financial Statements) and Specific Project -2 (Segment Reporting)

PRE-BOARD EXAMINATION: - FULL SYLLABUS

ART INTEGRATION

SR.NO:-	ART ACTIVITY
4.1.1.1.8	**USE OF VARIOUS MEDIA-PPT, CHART AND SCRAP FILES ETC.**
	• Chart showing different methods of partnerships accounts with specimens
	• Chart of detailed modes of Dissolution of partnership firm
	• PPT on Share capital
	• Scrap files containing maximum numbers of ratios to be calculated as per syllabus.
	COLLAGE AND MOSAIC WORK
	• Various notices published by the companies, in newspapers like that of name change mergers, takeovers etc.
	CORREALTION WITH HOME SCIENCE
	• Opening a bank account
	PAINTINGH AND CARTOONING
	• Any scene of bank, company, stock exchange etc.
	VIDEO/FILM MAKING
	• Visit to a bank.
	• Visit to any factory (If they allow making of video)
	DETAIL TALKS / LECTURES
	• The students who lack confidence in speaking in front of other students, should be given the task of explaining a simple topic, as member of the group

	ANY OTHER FORM NOT LISTED ABOVE
	- Colorful mind maps - Handmade colorful crossword puzzles - Quizzes - Flash Cards - Magic box, wall hangings , Riddles , etc.

Class 12th Syllabus Biology (Code no. 044)

Total marks : 100

Theory marks : 70

 Practical marks : 30

Term : 1

Periodic test :1

Chapter 1. Reproduction in organism

Chapter 2. Sexual reproduction in a Flowering plants .

Unit : 1 Reproduction

Chapter 1. Reproduction in Organism

Chapter 2. Sexual Reproduction in a Flowering plants

Chapter 3. Human Reproduction

Chapter 4. Reproductive Health

Unit : 2   Genetics and Evolution

Chapter 5. Principles of Inheritance & variation

Chapter 6. Molecular basis of Inheritance

Chapter 7. Evolution

PRACTICAL

CBSE Class 12th Biology Practical Exam Syllabus 2021

The board will conduct a practical exam of 30 marks before organizing the theory papers. The evaluation scheme and syllabus of the practical examination are as follows:

Particulars	Maximum marks
One Minor Experiment	4
One Major Experiment	5

Slide Preparation	5
Spotting	7
Project Record + Viva Voce	5
Practical Record + Viva Voce	4
Total	**30**

List of Experiments :

1. Prepare a temporary mount to observe pollen germination.
2. Prepare a temporary mount of onion root tip to study mitosis.
3. Isolate DNA From available plant material such as Spinach , green pea seeds , papaya etc

Study/Observation of the following (Spotting)

1. Flowers adapted to pollination by different agencies (wind , insects, birds)
2. Identification of stages of gamete development i.e. T.S. of Testis and T.S. of Ovary through permanent slides.
3. Meiosis in Onion bud cell or Grasshopper testis through permanent slides.
4. T.S. of blastula through permanent slides (Mammalian).
5. Prepare pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups , ear lobes, window's peak and colour blindness.
6. Mendelian inheritance using seeds of different colour/sizes of any plant.
7. Pollen germination on stigma through permanent slide.
8. Controlled pollination- emasculation, tagging and bagging.

Term -2
Periodic test 1
Chapter 8. Human health and disease
Chapter 9. Strategies for Enhancement in food production
Periodic test 2
Chapter 12. Biotechnology and its applications.
Chapter 13 Organism and Population.

Unit : 3. Biology and Human welfare

Chapter 8. Human Health and Diseases

Chapter 9. Strategies for Enhancement in food production

Chapter 10. Microbes in Human welfare

Unit : 4 Biotechnology and it's application

Chapter 11. Biotechnology – Principles and Processes

Chapter 12. Biotechnology and it's applications

Unit : 5 Ecology and Environment

Chapter 13. Organism and Population

Chapter 14. Ecosystem

Chapter 15. Biodiversity and its Conservation

Chapter 16. Environmental issues.

Practical syllabus :

1. Collect and study soil from at least two different sites and study them for textures, moisture content, pH and water holding capacity. Correlate with the kinds of plants found in them.
2. Collect water from two different water bodies around you and study them for pH, clarity and presence of any living organisms.
3. Study the effect of temperature or three different pH on the activity of salivary amylase on starch.
    Study/observation of the following (Spotting)
4. Common disease causing organism like _Ascaris_ , _Entamoeba_ , _Plasmodium_   any fungus causing ringworm through permanent slides, models or virtual images. Comment on symptoms of disease they cause.
5.   Two plants and two animals (model/

CLASS 12th

CHEMISTRY (043)

Max. Marks – 100

Theory : 70 Marks

Practical : 30 Marks

<u>Term – I</u>

Periodic Test – 1

    Unit I : Solid State

    Unit II : Solutions

Periodic Test – 2

    Unit IX : Haloalkanes and Haloarenes

    Unit X : Alcohols, Phenols and Ethers

- Unit I : Solid State
- Unit II : Solutions
- Unit III : Electrochemistry

- Unit IV : Chemical Kinetics

- Unit V : Surface Chemistry

- Unit VII : p-Block Elements

- Unit X : Haloalkanes and Haloarenes

- Unit XI : Alcohols, Phenols and Ethers

- Unit XIV: Biomolecules

PRACTICALS

Evaluation Scheme for Examination	Marks
Volumetric Analysis	08
Salt Analysis	08
Content Based Experiment	06
Project Work	04

Class record and viva	04
Total	30

Micro-chemical methods are available for several of the practical experiments. Wherever possible, such techniques should be used.

Surface Chemistry

1. Preparation of one lyophilic and one lyophobic sol
   - Lyophilic sol - starch, egg albumin and gum
   - Lyophobic sol - aluminium hydroxide, ferric hydroxide hydroxide, arsenous sulphide.
2. Dialysis of sol-prepared in (1) above.
3. Study of the role of emulsifying agents in stabilizing the emulsion of different oils.

Chemical Kinetics

1. Effect of concentration and temperature on the rate of reaction between Sodium Thiosulphate and Hydrochloric acid.

2. Study of reaction rates of any one of the following:

   (i) Reaction of Iodide ion with Hydrogen Peroxide at room temperature using different concentration of Iodide ions.
   (ii) Reaction between Potassium Iodate, (KIO_3) and Sodium Sulphite (Na_2SO_3) using starch solution as indicator (clock reaction).

Thermochemistry

Any one of the following experiments

i) Enthalpy of dissolution of Copper Sulphate or Potassium Nitrate.

ii) Enthalpy of neutralization of strong acid (HCl) and strong base (NaOH).

iii) Determination of enthaply change during interaction (Hydrogen bond formation) between Acetone and Chloroform.

Electrochemistry

Variation of cell potential in $Zn/Zn^{2+}||Cu^{2+}/Cu$ with change in concentration ofelectrolytes ($CuSO_4$ or $ZnSO_4$) at room temperature.

Quantitative Estimation

- Determination of concentration/ molarity of $KMnO_4$ solution by titrating it against astandard solution of:

    i) Oxalic acid,

    ii) Ferrous Ammonium Sulphate

    (Students will be required to prepare standard solutions by weighing themselves).

Qualitative analysis

Determination of one cation and one anion in a given salt.

Cation - Pb^{2+}, Cu^{2+}, Al^{3+}, Fe^{3+}, Mn^{2+}, Zn^{2+}, Cu^{2+}, Co^{2+}, Ni^{2+}, Ca^{2+}, Sr^{2+}, Ba^{2+}, Mg^{2+}, $[NH4]^+$

Anions $-[CO_3]^{2-}$, S^{2-}, $[SO_3]^{2-}$, $[SO_4]^{2-}$, $[NO_2]^-$, Cl^-, Br^-, I^-, $[PO_4]^{3-}$, $[C_2O_4]^{2-}$, CH_3COO^-

(Note: Insoluble salts excluded)

PROJECT

Scientific investigations involving laboratory testing and collecting information from othersources.

A few suggested Projects :

- Study of the presence of oxalate ions in guava fruit at different stages of ripening.

- Study of quantity of casein present in different samples of milk.

- Preparation of soybean milk and its comparison with the natural milk with respectto curd formation, effect of temperature, etc.

- Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature, concentration, time, etc.)

- Study of digestion of starch by salivary amylase and effect of pH and temperatureon it.

- Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc.
- Extraction of essential oils present in Saunf (aniseed), Ajwain (carum), Illaichi(cardamom). Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chillipowder and pepper.

Note: Any other investigatory project, which involves about 10 periods of work, can bechosen with the approval of the teacher.

Term – II

Periodic Test – 3
   Unit VIII : d- and f-Block Elements
   Unit IX : Coordination Compounds

Pre-Board – I
Pre-Board – II
Note : Entire syllabus will be included in pre-board exams.

- Unit VI : General Principles and processes of Isolation of Elements
  - Unit VIII : d- and f-Block Elements
  - Unit IX : Coordination Compounds

  - Unit XII : Aldehydes, Ketones and Carboxylic Acids

  - Unit XIII : Amines

  - Unit XV : Polymers

  - Unit XVI : Chemistry in Everyday Life

PRACTICALS

Chromatography

   i) Separation of pigments from extracts of leaves and flowers by paperchromatography and determination of R_f values.
   ii) Separation of constituents present in an inorganic mixture containing two cationsonly (constituents having large difference in R_f values to be provided).

Preparation of Inorganic Compounds

    i) Preparation of double salt of Ferrous Ammonium Sulphate or Potash Alum.

    ii) Preparation of Potassium Ferric Oxalate.

Preparation of Organic Compounds

Preparation of any one of the following compounds

i) Acetanilide

ii) Di-benzal Acetone

iii) p-Nitroacetanilide

iv) Aniline yellow or 2 - Naphthol Aniline dye.

Tests for the functional groups present in organic compounds:

Unsaturation, alcoholic, phenolic, aldehydic, ketonic, carboxylic and amino (Primary)groups.

- Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given food stuffs.

ART INTEGRATION

SR. NO.	ART ACTIVITY
4.1.1.1.7 s	a) Use of various media like ppt, chart and scrap files etc. to illustrate different topics in an easy, innovative and creative manner. b) Painting and cartooning of any scene related to uses of chemical sciences in day-to-day life. c) Collage making of pictures of famous chemists and their contribution to the world by using colorful cuttings from newspapers and magazines. d) Organising Detail talks / Lectures for explaining various topics related to theoretical concepts. e) Colorful flash cards, wall hangings, concept maps, magic box, puzzles etc.
4.1.1.1	Composition and creative expression of musical rhythmic songs to learn difficult topics such as Periodic Table Elements, Mathematical Formulae

	related to Physics etc.
4.1.3.1	Use of day-to-day objects to make three-dimensional models of Chemistry such as Packing in solids, types of crystal lattices, structures of Hydrocarbons, DNA model, Electrolytic cells etc.
4.1.5.4	Visit to a pharmeceutical industry, chemist shop, polymer industry, paint industry, Textile industry etc. and making and presenting the report.

NISHAN – E – SIKHI INTERNATIONAL SCHOOL, KHADUR SAHIB
SYLLABUS OF COMPUTER
SESSION (2021-22)
CLASS +2(COMMERCE)

TERM1

Unit 1 : Computer Networks : (evolution of networking, data communication terminologies, Transmission media, network devices, network topologies and types, network protocol, mobile telecommunications, electronic mail protocols)

UNIT 2 : Network security concepts : (threats and prevention, use of cookies, cyber law, cyber crimes, hacking)

Unit 3 : Microsoft office tools : (Microsoft excel, use of formulas and functions)

TERM2

Unit 4 : Database management : (SQL, data types, SQL functions)

Unit 5 : Introduction to python language : (data types, use of different commands of python, programming using python)

Unit 6 : Accountancy : (working with tally software)