

HISTORY AND CIVICS SYLLABUS FOR CLASS 9 (2022)

MID TERM:

1. Our Constitution and its Salient Features
2. Elections and Election Commission
3. The Harappan Civilization
4. Early Vedic Civilization
5. The Later Vedic Age
6. Rise of Jainism and Buddhism
7. The Mauryan Empire
8. The Sangam Age
9. The Age of the Guptas

FINAL TERM:

1. Local Self Governments : Rural Local Institutions
2. Local Self Governments : Urban Local Institutions
3. South India and the Cholas
4. The Delhi Sultanate
5. The Mughal Empire
6. The Composite Culture
7. The Renaissance
8. The Reformation
9. Industrial Revolution and Capitalism and Socialism

CLASS 9 BIOLOGY SYLLABUS FOR 2022

MID TERM

| CHAPTERS |
|----------------------------------|
| 1. Cell Structure |
| 2. Tissue and Tissue System |
| 3. Diversity in the Living World |
| 4. Flowering Plants |
| 5. The Flower |
| 6. Seed – Types and Germination |
| 7. Respiration in Plants |
| 9. Animal Classification |

FINAL TERM

| CHAPTERS |
|---|
| 10. Economic Importance of Bacteria and Fungi |
| 11. Nutrition and Digestion in Humans |
| 12. The Skin |
| 13. The Skeletal system |
| 14. The Respiratory System |
| 15. Health and Hygiene |
| 16. Waste Generation |
| 17. Waste Management |

CLASS 9 CHEMISTRY SYLLABUS -2022**MID -TERM**

| <u>CHAPTERS</u> | |
|---|-----------------------|
| 1. The Language of Chemistry | (12 classes) |
| 2. Chemical Changes and Reactions | (8 classes) |
| 3. Water | (12 classes) |
| 4. Atomic structure and Chemical Bonding | (13 classes) |
| Total Number of Classes – 45 | |

FINAL TERM

| <u>CHAPTERS</u> | |
|---|----------------------------------|
| 5. The Periodic Table | (12 classes) |
| 6. Study of the first element HYDROGEN | (10 classes) |
| 7. Study of Gas Laws | (9 classes) |
| 8. Atmospheric Pollution | (4 classes) |
| 1.The Language of Chemistry | (Repeat from Mid -Term) |
| 4. Atomic Structure and Chemical Bonding | (Repeat from Mid-Term) |
| Total Number of Classes – 35 | |

SYLLABUS FOR YEAR 2022**SUBJECT: COMPUTER APPLICATIONS****CLASS: 9**

| MID TERM | | |
|-------------------|---|---|
| SL NO | CHAPTER | TOPICS |
| 1 | CHAPTER 1: Introduction to Object Oriented Programming | Difference between object oriented programming (OOP) and procedure oriented programming (POP); Principles of OOP-Data Abstraction, Polymorphism, Inheritance, Encapsulation; Types of Java Programs- Applets and Applications; Java Compilation Process, Source Code, Byte Code, Object Code, Java Virtual Machine, Features of Java, Compiler and Interpreter, Java Development Kit-Packages in java, Reserved words |
| 2 | CHAPTER 2: Elementary Concepts of Objects and Classes | Definition of Object and Class with examples, Class as an object factory, class as a user defined data type, class as a composite data type, object as an instance of class, difference between object and class. |
| 3 | CHAPTER 3: Values and Data Types | Character set of java, ASCII code, Unicode, Escape sequence, tokens in java, Constants and Variables, Data types -Primitive and Non-primitive, Size and range of primitive data types, type conversions-implicit and explicit |
| 4 | CHAPTER 4: Operators in Java | Types of operators-Arithmetic, Relational and Logical, Increment and Decrement operators, Short hand operators; Forms of Operators-Unary, Binary and Ternary, new operator, dot operator, Counters, Accumulator, Hierarchy of operators |
| 5 | CHAPTER 5: Input in Java | Different ways of taking input - Assignment statement, using BlueJ System, using InputStreamReader, Using Scanner Class, Comments in java, methods of Scanner class, methods of InputStreamReader. |
| 6 | CHAPTER 6: Mathematical Library Methods | java.lang package, Methods of Math class-pow(), sqrt(),cbrt(),ceil(), floor(), round(), abs(), max(), min(), random(), java expressions |
| FINAL TERM | | |
| SL NO | CHAPTER | TOPICS |
| 1 | CHAPTER 7: Conditional Statements in Java | if ,if-else, nested if, multiple if, switch case, default, break, fall through, System.exit(0), programs using if else is ladder, menu driven programs |
| 2 | CHAPTER 8: Iterative Constructs in Java | Types of loop-for loop, while loop & do ..while loop; Syntax of all loops, Jump statements- break and continue; inter-conversion of loops, finite and infinite loop, output sums on loop, Programs on series, different types of numbers etc. |
| 3 | CHAPTER 9: NESTED For loop | Nested loop along with examples, Pattern programs, Number based programs, break and continue in nested loop |

CLASS 9 MATHEMATICS SYLLABUS 2022**MID-TERM**

| Chapter number | Chapter name | topics |
|----------------|---|---|
| 1 | Rational and irrational numbers | Rational numbers and its properties, decimal representation of rational numbers, irrational numbers, surds, rationalization, simplifying an expression by rationalizing its denominator. |
| 2 | Compound interest(Without using formula) | Interest (simple interest), compound interest, compound interest as a repeated simple interest computation with a growing principal. |
| 3 | Compound interest(Using formula) | Compound interest using formula, inverse problems, miscellaneous problems, finding the amount when the interest is compounded half yearly and yearly, other applications using the formula. |
| 4 | Expansions | Expansion of $:(a+b)^2, (a-b)^2, (a+b)^2+(a-b)^2, (a+b)^2-(a-b)^2, (a+1/a)^2, (a-1/a)^2, (a+1/a)^2+(a-1/a)^2, (a+1/a)^2-(a-1/a)^2$ Expansion of $:(a+b)^3, (a-b)^3, (a+1/a)^3, (a-1/a)^3$ Expansion of $:(x+a)(x+b), (x+a)(x-b), (x-a)(x+b), (x-a)(x-b), (a+b+c)^2, (a+b-c)^2, (a-b+c)^2, (a-b-c)^2$ |
| 5 | Factorization | Factorization by: (i) Taking out the common factors, (ii) Grouping, (iii) splitting the middle term, Difference of two squares, sum or difference of two cubes. |
| 6 | Simultaneous (linear) equations | Methods of solving simultaneous equations by: (i) Elimination by substitution, (ii) elimination by equating coefficients, (iii) Cross multiplication, and problems based on simultaneous equations. |
| 7 | Indices (exponents) | Laws of indices, handling positive, fractional, negative and zero indices, simplification of expressions, solving exponential problems. |
| 22 | Trigonometrical ratios | Concept of perpendicular, base and hypotenuse in a right triangle, trigonometrical ratios, reciprocal relations. |
| 23 | Trigonometrical ratios of standard angles | Trigonometrical ratios of standard angles, solving a trigonometric equation. |
| 25 | Complementary angles | Concept of trigonometric ratios of complementary angles. |
| 18 | Statistics | Variable(Continuous and discrete variable), raw and arrayed data, tabulation of data, frequency, frequency distribution(Ungrouped and grouped frequency distribution), types of frequency distribution, class intervals and class limits, cumulative frequency and cumulative frequency table, graphical representation of data(Histogram and frequency polygon). |
| 19 | Mean and Median | Mean of ungrouped data, properties of mean, median. |
| 28 | Distance formula | The distance formula, circumcentre of a triangle. |

CLASS IX SYLLABUS 2022

MATHEMATICS

FINAL-TERM

| Chapter number | Chapter name | Topics |
|----------------|---|---|
| 4 | Expansions | Expansion of : $(a+b)^2$, $(a-b)^2$, $(a+b)^2+(a-b)^2$, $(a+b)^2-(a-b)^2$, $(a+1/a)^2$, $(a-1/a)^2$, $(a+1/a)^2+(a-1/a)^2$, $(a+1/a)^2-(a-1/a)^2$ Expansion of : $(a+b)^3$, $(a-b)^3$, $(a+1/a)^3$, $(a-1/a)^3$ Expansion of : $(x+a)(x+b)$, $(x+a)(x-b)$, $(x-a)(x+b)$, $(x-a)(x-b)$, $(a+b+c)^2$, $(a+b-c)^2$, $(a-b+c)^2$, $(a-b-c)^2$ |
| 5 | Factorization | Factorization by: (i) Taking out the common factors, (ii) Grouping, (iii) splitting the middle term, Difference of two squares, sum or difference of two cubes. |
| 23 | Trigonometrical ratios of standard angles | Trigonometrical ratios of standard angles, solving a trigonometric equation. |
| 28 | Distance Formula | The distance formula, circumcentre of a triangle. |
| 19 | Mean and Median | Mean of ungrouped data, properties of mean, median. |
| 9 | Triangles (Congruency of triangles) | Relation between sides and angles of a triangle, important terms (median, altitude), congruent triangles, conditions for congruency of triangles (SAS, ASA, AAS, SSS, RHS). |
| 12 | Mid-point and its converse (including intercept theorem) | Problems based on: (i) The line segment joining the mid points of any two sides of a triangle is parallel to the third side, and is equal to half of it, (ii) The straight line drawn through the mid point of one side of a triangle parallel to another, bisects the third side, (iii) If a transversal makes equal intercepts on three or more parallel lines, then any other line cutting them will also make equal intercepts. |
| 13 | Pythagoras theorem (Proof and simple application with converse) | Problems based on: In a right angled triangle, the square on the hypotenuse is equal to the sum of the squares on the remaining two sides. |
| 14 | Rectilinear figures (Quadrilaterals: parallelogram, rectangle, rhombus, square and trapezium) | Names of polygons, to find the sum of interior angles of an 'n' sided polygon, to find each interior and exterior angle of a regular polygon, to find the number of sides of a regular polygon, quadrilaterals (Trapezium, parallelogram, rectangle, rhombus, square), problems based on: (i) In a parallelogram, both the pairs of opposite sides are equal, (ii) In a parallelogram, both the pairs of opposite angles are equal, (iii) If one pair of opposite sides of a quadrilateral are equal and parallel, it is a parallelogram, (iv) Each diagonal of a parallelogram bisects the parallelogram, (v) The diagonals of a parallelogram bisect each other, (vi) Rhombus is a special parallelogram whose diagonals meet at right angles, (vii) In a rectangle, diagonals are equal, (viii) In a square, diagonals are equal and meet at right angles. |
| 17 | Circle | Circle, terms related to circle, problems based on: (i) A straight line drawn from the centre of a circle to bisect a chord, which is not a diameter, is at right angles to the chord, |

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|----|--|---|
| | | (ii) The perpendicular to a chord, from the centre of the circle, bisects the chord, (iii) Equal chords of a circle are equidistant from the centre, (iv) chords of a circle, equidistant from the centre of the circle, are equal, (v) If two arcs of the same circle subtend equal angles at the centre, they are equal, (vi) If two arcs of a circle are equal, they subtend equal angles at the centre. |
| 20 | Area and perimeter of plain figures | Area and perimeter of triangles, Heron's formula, some special types of triangles (Equilateral, isosceles, right-angled), area and perimeter of quadrilaterals, some special types of quadrilaterals (Rectangle, square, parallelogram, rhombus, trapezium), circumference and area of a circle. |
| 21 | Solids (Surface area and volume of 3D solids) | Volume, total surface area, lateral surface area, length of diagonal of cube and cuboids. |
| 26 | Co-ordinate geometry | Dependent and independent variables, ordered pair, Cartesian plane, co-ordinates of points, quadrants and sign convention, plotting of points, graphing a linear equation, inclination and slope, Y-intercept, finding the slope and the Y-intercept of a given line. |
| 27 | Graphical solution (Solution of simultaneous linear equations graphically) | Graphs of linear equations in two variables. |

CLASS IX MID-TERM SYLLABUS, 2022 ENGLISH LANGUAGE

| Name of the chapter |
|--|
| 1. Sentence and Sentence Patterns |
| 2. Subject and Verb Agreement |
| 3. Active and Passive |
| 4. Simple, Compound and Complex |
| 5. Combination of Sentences- Noun Clause, Adjective Clause and Adverb Clause |
| 6. Prepositions |
| 7. Notice and Email Writing (Format 1) |
| 8. Letter Writing (Informal) |
| 9. Composition- Imaginative, Story Writing |

CLASS IX FINAL-TERM SYLLABUS, 2022 ENGLISH LANGUAGE

| |
|---|
| 1. Direct and Indirect Speech |
| 2. Prepositions |
| 3. Summary Writing |
| 4. Combination of Simple into Simple, into Compound, into Complex sentence. (Part 1,2,3) |
| 5. Transformation of Sentences Part 1 |
| 6. Transformation of Sentences Part 2 |
| 7. Notice and Email Writing (Format 2) |
| 8. Letter Writing (Formal) |
| 9. Composition- Descriptive, Narrative |

- ❖ **Note-** For the Final term, the whole Grammar syllabus as prescribed by the ICSE, will be included until further notification from the Council.

| Name of the chapter |
|--|
| 1. Drama: Merchant of Venice (Act I- Whole Act) |
| 2. Prose: <ul style="list-style-type: none"> ➤ Hearts and Hands ➤ Old Man at the Bridge ➤ A Face in the Dark ➤ A Horse and Two Goats |
| 3. Poetry: <ul style="list-style-type: none"> ➤ Heart of the Tree ➤ The Cold Within ➤ Bangle Sellers ➤ After Blenheim |

| Name of the chapter |
|---|
| 1. Drama: Merchant of Venice Act II- Scene 1 - Scene 9 Act III- Scene 1 |
| 2. Prose: <ul style="list-style-type: none"> ➤ Chief Seattle's Speech ➤ An Angel in Disguise ➤ My Greatest Olympic Prize |
| 3. Poetry: <ul style="list-style-type: none"> ➤ Daffodils ➤ Television ➤ Abu Ben Adhem |

ACADEMIC PLANNER HINDI CLASS 9 (2022)

MID TERM

| <u>CHAPTER NUMBER AND NAME</u> | <u>TOPICS TO BE COVERED</u> |
|---------------------------------------|---|
| <u>साहित्य सागर –CHAPTER</u> | |
| 1.बात अठन्नी की | 1.बात अठन्नी की |
| 3. महायज्ञ का पुरस्कार | 3. महायज्ञ का पुरस्कार |
| 4. नेता जी का चश्मा | 4. नेता जी का चश्मा |
| 6. बड़े घर की बेटी | 6. बड़े घर की बेटी |
| 9. भेड़ें और भेड़िये | 9. भेड़ें और भेड़िये |
| | |
| <u>GRAMMAR -</u> | लिंग, भाव वाचक संज्ञा, वचन, पर्यायवाची, विलोम, अनेक शब्दों के लिए एक शब्द, मुहावरे, लोकोक्तियाँ |

ACADEMIC PLANNER HINDI CLASS 9 (2022)

FINAL TERM

| <u>CHAPTER NUMBER AND NAME</u> | <u>TOPICS TO BE COVERED</u> |
|---------------------------------------|------------------------------------|
| <u>साहित्य सागर –CHAPTER</u> | |
| 2. काकी | 2. काकी |
| 5. अपना-अपना भाग्य | 5. अपना-अपना भाग्य |
| 7. संदेह | 7. संदेह |
| 8.भीड़ में खोया आदमी | 8.भीड़ में खोया आदमी |
| 10.दो कलाकार | 10.दो कलाकार |
| | |
| <u>GRAMMAR -</u> | ICSE SYLLABUS |

**KHASI CLASS 9 SYLLABUS 2022
MID TERM**

PROSE.

BOOK: HA KI SNGI U SYIEM

1. U Phareng ha Lawkyntang
2. Ka Syiem Skei bad ki hynniew Mahadei

BOOK: SAWDONG KA LYNGWIARDEI

1. Ki Paro Ksiar

Grammar.

BOOK

1. Ktien Kynnoh (Khasi Hints)
2. Ktien Phawer (Mihngi/Sepngi)
3. Thaw Senten (Ktien Phawer)
4. Letter Writing

i) Informal

ii) Formal

5. Composition
6. Comprehension

**KHASI CLASS 9 SYLLABUS 2022
FINAL TERM**

PROSE: HA KI SNGI U SYIEM (BOOK)

1. U Ksew, ka miaw bad u Tuta
2. U Sier Lapalang bad u Shken

PROSE: HA KA SNGI KA LYNGWIARDPEI. (BOOK)

1. U Adadak

Grammar

(BOOK)

1. Ktien Kynnoh (Khasi Hints)
2. Ktien Phawer (Mihngi/Sepngi)
3. Thaw Senten (Ktien Phawer)
4. Letter Writing

i) Informal

ii) Formal

5. Composition
6. Comprehension

SYLLABUS FOR THE YEAR 2022, PHYSICS CLASS IX

| | |
|---|--|
| 1. MEASUREMENTS AND EXPERIMENTATION (MID TERM) | Need of unit for measurement, systems of unit, units of length, units of mass, units of time, some examples of derived units, guidelines for writing the units, measurement of time and simple pendulum. |
| 2. MOTION IN ONE DIMENSION (MID TERM) | Scalar and vector quantities, rest and motion, distance and displacement, speed and velocity, acceleration and retardation, equations of motion |
| 3. LAWS OF MOTION(MID TERM) | Contact and non contact forces, Newton's first law of motion and inertia, linear momentum and Newton's second law of motion, Newton's third law of motion, gravitation. |
| 4. PRESSURE IN FLUIDS AND ATMOSPHERIC PRESSURE(MID TERM) | Thrust and pressure, pressure in fluids, pressure exerted by a liquid column, laws of liquid pressure, some consequences of liquid pressure, Pascal's law and its application, examples of hydraulic machine, atmospheric pressure, demonstration of atmospheric pressure, common consequences of atmospheric pressure, measurement of atmospheric pressure, variation of atmospheric pressure with altitude, weather forecast by the use of barometer, altimeter. |
| 7. REFLECTION OF LIGHT (MID TERM) | Reflection of light, some terms related with reflection, laws of reflection, formation of image by reflection, image of a point object formed by a plane mirror, image of an extended object formed by a plane mirror, position of image, lateral inversion, characteristics of the image formed by a plane mirror, images formed in a pair of mirrors, uses of plane mirrors, spherical mirrors, terms related to a spherical mirror, focus and focal length, characteristics of image formed by these mirrors, relationship between focal length and radius of curvature, sign convention for the measurement of distances, mirror formula, uses of spherical mirrors. |
| 5. UPTHRUST IN FLUIDS, ARCHIMEDE'S PRINCIPLE AND FLOATATION(FINAL TERM) | Buoyancy and upthrust, characteristic properties of upthrust, reason for upthrust, upthrust is equal to the weight of displaced liquid, Archimede's principle, solid bodies with density greater than density of liquid sink while with density less than density of liquid float, density, relative density, determination of relative density of a solid substance by Archimede's principle, principle of floatation, applications of the principle of floatation. |
| 6. HEAT AND ENERGY (FINAL TERM) | Concepts of heat and temperature, anomalous expansion of water, Hope's experiment and consequences of anomalous expansion, global warming and green house effect. |
| 8. PROPAGATION OF SOUND WAVES (FINAL TERM) | Sound and its propagation from vibrations, sound propagation requires a material medium, propagation of sound in a medium, some terms related to wave motion, relationship between wavelength, wave velocity and frequency, speed of sound in different media, factors affecting the speed of sound in a gas, comparison of speed of sound with speed of light, infrasonic, sonic and ultrasonic frequencies. |
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| <p>9.CURRENT ELECTRICITY(FINAL TERM)</p> | <p>Sources of direct current, electric current(as rate of flow of electric charge), symbols used in circuit diagrams, simple electric circuit, insulators and conductors, closed and open circuits, flow of electrons between conductors, direction of the electric current, elementary idea about work done in transferring charge through a conducting wire, potential difference, electrical resistance, efficient use of energy, social initiatives.</p> |
| <p>10.MAGNETISM (FINAL TERM)</p> | <p>Induced magnetism, lines of magnetic field, properties of magnetic field lines, magnetic field of earth, plotting of uniform magnetic field lines of earth, plotting of non uniform magnetic field of a strong bar magnet and neutral points.</p> |

CLASSES 9 SYLLABUS 2022.
GEOGRAPHY

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|--|
| 1. The Geographic Grid- Latitudes and Longitudes |
| 2. Rotation and Revolution |
| 3. Structure of the Earth |
| 4. Rocks |
| 5. Volcanoes |
| 6. Earthquakes |
| 7. Weathering |
| 8. Hydrosphere |
| 9. Map Work (World) and Interpreting Topographical Map. |

Final Term Geography

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| 10. Composition and Structure of the Atmosphere |
| 11. Insolation |
| 12. Atmospheric Pressure and Winds |
| 13. Humidity |
| 14. Pollution- Types and Sources |
| 15. Pollution- Effects and Prevention |
| 16. Natural Regions of the World |
| 17. Map Work (World) and Interpreting Topographical Map |

**Class 9 Fashion Designing
Mid Term Syllabus 2022**

1. Study of natural and synthetic fibres
2. Origin, properties and how fibres are produced
3. Manufacture of fibres in fabrics
4. Finishes which improve the properties and appearance of fabrics
5. Knowledge of various types of fabrics

Final Term Syllabus 2022

1. The purchase of fabrics (approximate prices and estimation of quantity)
2. The selection and use of supplementary materials
3. Choice of clothes for an individual (of any age)

CLASS 9 SYLLABUS 2022 – PHYSICAL EDUCATION

| SL NO | Chapter name |
|------------------------|----------------------------------|
| 1(MID TERM-PART A) | The Human Anatomy and Physiology |
| 2(MID TERM-PART A) | Muscular system |
| 3(MID TERM – PART B) | Cricket |
| 4(MID TERM – PART B) | Football |
| 5(MID TERM – PART B) | Hockey |
| 6(FINAL TERM- PART A) | Respiratory System |
| 7(FINAL TERM- PART A) | Circulatory system |
| 8(FINAL TERM- PART B) | Basketball |
| 9(FINAL TERM- PART B) | Volleyball |
| 10(FINAL TERM- PART B) | Badminton |

HOSPITALITY MANAGEMENT (73)

Aims:

1. To enable candidates to understand and describe the meaning of hospitality.
2. To develop an understanding of the importance of soft skills in hospitality.
3. To enable candidates to identify and demonstrate correct grooming, etiquette and positive attitude for the hospitality industry.
4. To develop the ability to classify and describe different types of tourism.
5. To enable candidates to recognize the different areas of the hospitality industry.
6. To recognize and describe the functions of various operational areas in hotels.
7. To develop an understanding of the organization and functions of hotels.

Class IX

There will be one written paper of two hours duration carrying 100 marks and Internal Assessment of 100 marks.

The paper will be divided into two sections A and B.

Section A (Compulsory) will consist of compulsory short answer questions covering the entire syllabus.

Section B will consist of questions which will require detailed answers and there will be a choice of questions in this section.

THEORY-100 Marks

1. Soft Skills in Hospitality

Hospitality, Soft skills in Hospitality and their importance, Communication: verbal, non-verbal and visual.

Meaning of Hospitality and soft skills (self-motivation, leadership, responsibility, teamwork, problem solving, decision making, time management, conflict resolution) in Hospitality; importance of soft skills in hospitality.

Communication: Meaning and need for communication; purpose of communication, types of communication; advantages and disadvantages of communication; barriers to communication; nonverbal communication (kinesics, proxemics and paralanguage – definitions and examples).

Importance of listening as part of communication; difference between hearing and listening; four different types of listening – appreciative, empathetic, comprehensive/active, critical/analytical). Definitions of each type of listening and an example of how each is important for the hospitality industry in various ways.

2. Tourism and Hospitality Industries

(i) Tourism - Meaning, Purpose and its types, Components of Tourism, History of Tourism. Meaning and purpose of Tourism, difference between regular travel and tourism, types of tourism - business (e.g. meetings, sales conferences) and leisure (e.g. recreation, holiday, health, religion) –brief descriptions with examples. Requirements of a tourist e.g. place, amenities for each type of tourism(business and leisure) with examples. A general understanding of when and how tourism started; development of tourism (history of travelling – hunting, trade, religion, leisure - to be done briefly).

(ii) History of Hospitality, Hospitality in India, Global Hospitality. Hospitality - short overview starting from the Greeks, Romans to present day –history of accommodation, lodging, inns and hotels. Concept of atithi deva bhava and its importance for tourism and hospitality; growth of hotel brands from Indian brands such as Taj, Oberoi, ITC. Present day hospitality – brief overview of the presence of the above Indian hotel chains outside India (location). International chains today Hilton, Accor, Hyatt, Marriott (basic information -founders, which countries they started in, how they have grown in their own and other countries – brief description).

3. Sustainable Tourism and Hospitality

Sustainability, Importance of sustainable tourism and hospitality. Meaning of sustainability, generic definition, awareness of sustainability, its importance for tourism and hospitality. areas of sustainability – historical, geographical, cultural and environmental and their association with tourism and hospitality – sustainability in historical places, geographical, cultural, social, effects on the environment; measures taken regarding sustainability in tourism and hotels; Importance of guest awareness and responsibilities, reducing costs, reducing the carbon footprint, energy, water, food (in brief).

4. Industries Related to Hospitality

Hotels, Retail sectors, Food services, Airlines -General introduction to provide brief understanding regarding purpose of each area with two examples – one domestic and one international.

Hotels - provide accommodation, food services like restaurants, cafes, in-room dining, services like banquets, weddings, spas, laundry, pool-side cafes e.g. Taj and Marriott.

Retail sectors – as examples of services to be provided by hospitality e.g., departmental stores, clothes retailers – Shoppers Stop, Marks and Spencer's.

Food services – restaurants, mall outlets, food chains (KFC, McDonalds, Subway).

Airlines – customer/guest services provided, catering services for airline passengers.

5. Department in Hotels

Food production, Food and Beverage service, Sectors of the Food and Beverage industry, Front Office, Accommodation Operations, Sales and Marketing.

Food production - definition of cookery, concepts of cooking (development from early to modern times), hierarchy, attitudes and behaviours in the kitchen, kitchen layout and planning (general hotel kitchen).

Food and Beverage service - introduction to the food and beverage service industry (including evolution from taverns and inns to modern restaurants) – brief overview.

Sectors of the Food and Beverage industry -Industrial sectors (factories, offices)institutional sectors (schools, colleges and hospitals); leisure (malls, theme parks), transport catering (airlines, railways, cruise lines) – brief description with examples.

Front Office - Basic classification of hotels according to size, motives of travel, location, duration of stay, types of guests (business travelers and leisure travelers).

Accommodation Operations - Meaning, definition, importance and interdepartmental relationships associated with accommodation operations (brief overview).

Sales and Marketing - basic marketing concepts and their importance in hotels, hospitality (revenue generation in hotels –through selling of rooms and food and beverage outlets) and tourism – brief discussion

INTERNAL ASSESSMENT- 100 Marks

A minimum of four assignments to be completed during the year, as assigned by the teacher.

Suggested list of assignments:

1. Create and present a chart to describe and highlight three different types of tourism.
2. Create a portfolio to show the development of hospitality over the ages.
3. Describe how the hospitality industry has grown in India over the years. What were the early hotels like and how are they now?
4. Discuss the history of five global hospitality chains, give a brief history and their current status and locations.
5. Discuss about three different types of sustainability and show how these can be related to hotels (e.g., reducing carbon footprints, energy conservation, water conservation, etc.).

6. Choose two tourist attractions/areas in the State and discuss the features/components which make it a tourist destination.
7. Choose one tourist destination and one hotel chain and describe their sustainability features.
8. Choose three industries from the range of hospitality industries (e.g., hotels, retail sectors, airlines....) and describe their functions. Give two examples of each for Indian and International sectors.

llabus for Spanish (Modern Foreign Language)

CLASS IX

AIM

The aim is that student develop an interest for the Spanish Language and culture and progress in the four areas of competences (writing, reading, speaking, listening) in order to be able to reach a level where they can decide to use it further in their lives when they grow for professional, social or leisure activities.

Given the “constructive” nature of the language learning, where the knowledge in the current class is based in the knowledge acquired in previous classes, this year, an special focus will be adopted in order to reduce as most as possible the number of students that lose interest or feel not able to follow the classes due to learning gaps from past lectures, with a thorough follow up of the students in every class and also with their families, so they can help them to keep track of the learning process.

LEARNING MATERIALS

The basic tool for learning will be the Manual “Nuevo Español sin Fronteras”, which will be followed newly this year, as it is one of the manuals recommended by the Board, but also the teacher will consult and share materials from other manuals whenever the learning subjects are better covered by them. Apart from that the teacher will make use of materials own produced and the use of technology in order to provide learning inputs in different ways (visual, hearing, games in class, etc.)to the students,

Also, a cultural approach will be taken, so that Presentations, Audio exercises, Spanish songs, Poetry and other audiovisual materials will enhance the cultural awareness of the students.

SCHEDULE

| UNIT | Grammar Content | Lexical Content | Communication functions | Socio-cultural content |
|-----------------------------------|---|--|---|---|
| 1. Knowing people | <ul style="list-style-type: none"> - Verb “ser” and uses - Verbs in -ar - Verbs <i>llamarse</i> and <i>dedicarse a</i> - Gender and number | <ul style="list-style-type: none"> - In the airport - Professions | <ul style="list-style-type: none"> - Formal and informal greetings - To introduce oneself and others - Ask and answer the name, nationality and profession | <ul style="list-style-type: none"> - The Spanish language in the word - Spanish words used everywhere |
| 2. Location of people and objects | <ul style="list-style-type: none"> - Present tense of verbs <i>Estar</i> and <i>Tener</i> - Regular verbs in -er -ir, like <i>vender, vivir</i> - Verbs <i>Hay</i> and <i>Estar</i> - Questions <i>¿Cuál?</i> and <i>¿Dónde?</i> - Numbers from 0 to 100 | <ul style="list-style-type: none"> - The house - Objects in a class/office - Expressions with location | <ul style="list-style-type: none"> - Locate objects and places in the space - Ask and answer about addresses and telephones - Ask and answer about the existence of places and objects | <ul style="list-style-type: none"> - The cities of Madrid and Barcelona |
| 3. The time | <ul style="list-style-type: none"> - Irregular verbs in -ar, -er with change e to ie, like <i>empezar, querer</i> - Present tense for verbs <i>hacer, ir</i> and <i>vivir</i> - Contractions AL and DEL - Frequency markers | <ul style="list-style-type: none"> - Daily activities and expressions - Months and seasons of the year - Days of the week | <ul style="list-style-type: none"> - Talk about times and dates - Talk about some customs and determine the time - Ask and answer about activities and its frequency | <ul style="list-style-type: none"> - Planning and schedules of holidays in the Spanish culture - Meeting friends in Spain |

| | | | | |
|------------------------|---|---|---|--|
| 4. The price of things | <ul style="list-style-type: none"> - Irregular verbs in -ar -er with change o to ue, like <i>contar</i> or <i>poder</i> - Present tense of verbs <i>dar</i>, <i>poner</i> and <i>decir</i> - Some exclamative expressions - The demonstratives - Numbers after 100 | <ul style="list-style-type: none"> - Go shopping - In the market | <ul style="list-style-type: none"> - Talk about prices, salaries, currencies etc. - Ask and answer about the price of things - Compare prices between countries - Express surprise, agreement, disagreement | <ul style="list-style-type: none"> - Currencies of Spanish speaking countries - The culture in the market |
| 5. Descriptions | <ul style="list-style-type: none"> - Irregular verbs in -ar -er with change e to ie, like <i>pensar</i>, <i>perder</i> - Possessive adjectives - Verb <i>conocer</i> - Verb <i>parecer</i> | <ul style="list-style-type: none"> - Adjectives for descriptions - The family - Civil status | <ul style="list-style-type: none"> - Describe people - Talk about relationships with other people - Ask and answer the age - Confirm our own statements | <ul style="list-style-type: none"> - The youth in Spain and their relationship with their parents and family |
| 6.- Likes and dislikes | <ul style="list-style-type: none"> - Verbs <i>gustar</i> and <i>encantar</i> - Verbs in -ir with change e to ie, like <i>preferir</i> - Words <i>Muy/Mucho</i> - The negation | <ul style="list-style-type: none"> - Colors - Climate - Expressions to declare agreement or disagreement | <ul style="list-style-type: none"> - Ask and answer the opinion of others - Express, ask and compare likes and preferences | <ul style="list-style-type: none"> - The personality of the Spanish people |
| 7. In the doctor | <ul style="list-style-type: none"> - Verbs in -ir with change e to i, like <i>seguir</i> - Verb <i>seguir</i> followed by gerundive - Verb <i>estar</i> followed by gerundive - Verb <i>doler</i> - Expressions of obligation | <ul style="list-style-type: none"> - Sickneses - In the clinic - Parts of the body | <ul style="list-style-type: none"> - Ask about the condition of a person - Express pain or discomfort - Express obligation - Express wishes | <ul style="list-style-type: none"> - The health and the advertisement of this in the society |
| 8. The future | <ul style="list-style-type: none"> - Present tense of verbs <i>venir</i> and <i>salir</i> - Future of verbs in -ar, -er and -ir - The expression <i>ir a + infinitive</i> - <i>Pensar + infinitive</i> - <i>Estar pensando + infinitive</i> | <ul style="list-style-type: none"> - Expressions to go out with or meet people - The leisure and free time | <ul style="list-style-type: none"> - Express plans and intentions - Express future actions - Talk on the phone - Leave messages to people on the phone | <ul style="list-style-type: none"> - The uses of the mobile and technology in Spain |
| 9. The recent past | <ul style="list-style-type: none"> - Expressions <i>Después de / Antes de + infinitive</i> - Present perfect - Regular and irregular participles - The Direct/Indirect object - Verb <i>saber</i> | <ul style="list-style-type: none"> - The letters, post and the emails | <ul style="list-style-type: none"> - Talk about past - Give excuse and say sorry - Offer help - Express likes and opinions about something recently seen or heard | <ul style="list-style-type: none"> - The football in Spain and the Spanish world |
| 10. Holidays | <ul style="list-style-type: none"> - Words we use to state the time - Past tense of verbs <i>recorder</i>, <i>perder</i> and <i>subir</i> - Irregular past tenses of verbs <i>IR</i>, <i>estar</i>, <i>ver</i>, <i>venir</i>, <i>hacer</i> - Expression <i>acordarse + pretérito</i> | <ul style="list-style-type: none"> - Transports and means of transport - Travels | <ul style="list-style-type: none"> - Talk about things happened in the past - Make a story in and organized way - Talk about the last time we did something - Talk about approximate time | <ul style="list-style-type: none"> - Gloria Estefan, her song <i>Ayer</i> - The culture of travel in Spain - How to travel inside Spain |
| 11. When I was a child | <ul style="list-style-type: none"> - The past tense of verbs <i>pensar</i>, <i>caer</i>, <i>dormir</i>(regulars) - Irregular past tenses of <i>ir</i>, <i>ver</i>, <i>ser</i> - Past expressions - Uses of past tense - Expression <i>Soler + infinitive</i> | <ul style="list-style-type: none"> - How to make the CV - A job interview | <ul style="list-style-type: none"> - Talk about habits and customs in the past - Describe the past - Talk about the circumstances of an event | <ul style="list-style-type: none"> - The comic in Spain - The cinema in Spain |
| 12. In the restaurant | <ul style="list-style-type: none"> - Imperative affirmative, formal and informal - Irregular imperatives of verbs <i>poner</i>, <i>venir</i>, <i>hacer</i>, <i>decir</i>, <i>tener</i>, <i>salir</i> - Imperatives + pronoun - Expressions <i>Tener que + infinitive</i>, <i>Se puede / No se</i> | <ul style="list-style-type: none"> - The vocabulary in the restaurant | <ul style="list-style-type: none"> - Ask something - Request, accept and reject petitions - Express obligation - Express orders and commands | <ul style="list-style-type: none"> - The Spanish song <i>Macarena</i> - The culture of restaurants and how to spend time with friends |

MASS MEDIA & COMMUNICATION CLASS IX

THEORY

1. Communication

- I. Understanding Communication
Definition of Communication
- II. Evolution of Human Communication
A brief understanding of the following with examples: Petroglyphs, Pictograms, Ideograms, Writing, Audio-Visual, Digital, Internet based communication systems.
- III. Elements of Communication
A brief understanding of the following with examples: Sender, Message, Medium, Receiver, Feedback.
- IV. Process of Communication
A brief understanding of Encoding and Decoding
- V. Functions of Communication
A brief understanding of how communication helps to Inform, Educate, Entertain and Integrate.
- VI. Forms of Communication
A brief understanding of Verbal (Oral and Written) and Non-Verbal, Formal and Informal communication with examples.

2. Mass Media

- I. Definition of Mass Media
- II. Timeline
A brief understanding of the evolution of mass media from the invention of the Printing Press to newspapers, Cinema, Radio, Camera (pin hole to digital), Television, Internet and New Media.
- III. Types of Mass Media
A brief understanding of the features and functions of print media, radio, television, cinema and internet.

3. Print Media

- I. A brief history of Print Media
- II. Types of Print Media
Features and functions of Newspapers, Magazines, Books, Journals, Leaflets, Brochures, Flyers & Posters.
- III. Types of Newspapers
Based on:

- a) *Frequency- Dailies, Weeklies, Annuals, Divided-Annuals.*
- b) *Geographical- Distribution – Local, Regional, National, International.*
- c) *Versions- Print, Online, e-paper.*
- d) *Size- Broadsheet, Berliner, Tabloid.*

Meaning, differences and examples of each of the above.

4. Radio as a Medium

- I. History of Radio
A brief understanding of the milestones in Radio Broadcasting; Radio Broadcasting in India- AIR.
- II. Characteristics of Radio
A brief understanding of the characteristics of radio such as audio medium, wireless medium, inexpensive, simple to use, wide reach, mobility and live medium.
- III. Radio Broadcasting'
Radio Equipment: Transmitter and receiver; Radio Frequency: AM and FM; Satellite Radio: definition and impact.
- IV. Types of Radio broadcasting
A brief understanding of Public, Private and Community Radio broadcasting
- V. Online and Amateur Radio (HAM Radio): *Definition and Impact.*

5. Introduction to Advertising

- I. Definition
- II. Functions of Advertising
Building brand image, creating consumer awareness and demand, increase in sales, promotion of competition in the market, maximizing of profits: a brief understanding of each.
- III. Models of Advertising
A basic understanding of AIDA (Attention Interest Desire and Action) and DAGMAR (Defining Advertising Goals for Measured Advertising Results).
- IV. Principles of Advertising
A brief understanding of creativity, research, consistency, Duration and Frequency of Campaign, Simplicity, Ethical, Unique Selling Point (USP).

6. Internet

- I. A brief history of the Internet
- II. Internet and World Wide Web – *meaning and distinction*
- III. Internet utilities
A brief understanding with examples of the following:
 - a) *Web browsing*
 - b) *Electronic Mail*
 - c) *Online Broadcasting*
 - d) *Social networking*
 - e) *Gaming*

- f) *Blogging*
- g) *File Transfer Protocols (FTP)*
- h) *Online banking*
- i) *E-commerce*
- j) *Video conferencing*
- k) *Digital Marketing*

INTERNAL ASSESSMENT

- Select a well know personality of your choice, whom you would like to interview as a radio jockey. Prepare a set of 8-10 questions for the interview. The interview should last approximately 15 minutes.

OR

- Make a Radio advertisement of any product or brand making sure that you stress on every important aspect of the product/brand and where you can find them. The duration should be for 30 seconds.
- Design a poster for your school canteen.

OR

- Design a cover page for a magazine of your choice
- Group Work

Create a power point presentation with the goal of trying to sell a product. Slides must be neat and properly formatted. The presentation must explain what the product is, why the consumer should buy it, why it is better than the competition and how to get hold of it. The presentation must have at least one video clip.

COOKERY SYLLABUS FOR THE BOYS OF CLASS 9 2022

Mid Term Examination.

1. The Nutritive Value of Foods : Introduction to Food and Nutrition, ICMR Five Food Groups
2. Chemical Structure, Classification, Functions and Food Sources of Carbohydrates, Proteins, Fats and Lipids, Water, Fat Soluble Vitamins, Water Soluble Vitamins, Minerals
3. Need for cooking and principles of cookery
4. Basic terminology used in cooking
5. Basic methods of cookery : dry method- advantages and disadvantages

Final Term Examination.

1. Basic methods of cookery : wet method- advantages and disadvantages
2. Basic methods of cookery : using fat- advantages and disadvantages
3. Use of Spices, leavening agents, tendering agents, thickening agents
4. Importance of garnishing and use of herbs
5. Physical changes in food during cooking.

CLASS- 9 SYLLABUS - 2022.
ECONOMICS.
MID- TERM

Chapters

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| <p>1. <u>Introduction to Economics</u></p> <p>i. Definition of Economics</p> <p>ii. Micro and Macro Economics</p> <p>iii. Types of Activities</p> <p>iv. Sectors in an Economy</p> <p>v. Basic Economic terms</p> <p>vi. Entities</p> |
| <p>2. <u>Types of Economies</u></p> <p>i. On the basis of Nature (Capitalist, Socialist, Mixed Economy)</p> <p>ii. On the basis of Development (Meaning and difference between Developed Economy and Developing Economy)</p> <p>iii. Economic growth and Development (meaning and difference)</p> |
| <p>3. <u>The Indian Economy: A Study.</u></p> <p>i. <u>Primary Sector:</u></p> <p>a. Agriculture and allied activities</p> <p>b. Problem of Indian Agriculture</p> |

Final -Term

| |
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| <p>i. <u>Primary Sector:</u></p> <p>c. Government measures to improve agricultural production</p> <p>d. Green Revolution</p> <p>e. Meaning of Food Security, Role of Food Corporation of India (FCI)</p> |
| <p>ii. <u>Secondary Sector:</u></p> <p>a. Meaning of Industry</p> <p>b. Types of industries</p> <p>c. Adverse impacts of industrialisation</p> |
| <p>iii. Tertiary Sector: Education and Healthcare, Transportation, Banking, Insurance, Communication, Storage and Warehousing</p> <p>4. <u>Major Problem of the Indian Economy:</u></p> <p>i. Poverty: Meaning with examples</p> <p>ii. Unemployment: meaning, types of Seasonal, Structural and Technological unemployment.</p> <p>iii. Schemes and Programmes introduced by the government to remove poverty and unemployment.</p> |

CLASS 9 COMMERCIAL APPLICATIONS SYLLABUS 2022

MID TERM SYLLABUS

- Chapter 1. Introduction to Commercial Organisations
- Chapter 2. Ownership Structures – Sole Proprietorship and Joint Hindu Family Business
- Chapter 3. Ownership Structures – Partnership
- Chapter 4. Ownership Structures – Joint Stock Company
- Chapter 5. Ownership Structures – Cooperative Society
- Chapter 6. Public Sector Enterprises

FINAL TERM SYLLABUS

- Chapter 7. Functioning of Commercial Organisation
- Chapter 8. Communication in a Commercial Organisation
- Chapter 9. Ways of Communicating
- Chapter 10. Tools of Communication
- Chapter 11. Nature and Terminology of Accounting
- Chapter 12. Accounting Records
- Chapter 13. Natural Resources
- Chapter 14. Depletion of Resources
- Chapter 15. Practices for Conservation of Resources
- Chapter 16. Industrial Pollution and Degradation of Environment.

CLASS 9 COMMERCIAL STUDIES SYLLABUS 2022

MID TERM SYLLABUS

- Chapter 1. Commercial and Non-Commercial Activities
- Chapter 2. Business Activities
- Chapter 3. Profit and Non-Profit Organisations
- Chapter 4. Classification of Commercial Organisations
- Chapter 5. Sole Proprietorship and Hindu Undivided Family Business
- Chapter 6. Partnership
- Chapter 7. Joint Stock Company
- Chapter 8. Cooperative Society
- Chapter 9. Public Sector Enterprises
- Chapter 10. Marketing and Sales
- Chapter 11. Finance and Accounts
- Chapter 12. Human Resources

FINAL TERM SYLLABUS

- Chapter 13. Production
- Chapter 14. Purchasing and Stores
- Chapter 15. General Administration, Legal Compliance and Management Information System Departments
- Chapter 16. Communication in commercial organisations
- Chapter 17. Verbal and Non-Verbal Communication
- Chapter 18. Different methods of Communication
- Chapter 19. Meaning, Objectives and Terminology of Accounting
- Chapter 20. Basic Accounting Principles and Concepts
- Chapter 21. Accounting Books and Statements
- Chapter 22. Banking
- Chapter 23. Trade
- Chapter 24. Social Responsibility of Commercial Organisation towards the Environment

