

DR. VIRENDRA SWARUP
Shri Ragendra Swarup Group of Institutions
Common Syllabus For All Branches
CLASS-IX TERM-I 2019-20

1. Hindi Language (Book-Saras Hindi Vyakaran Pub. Evergreen)

fucU/k y[ku ¼lrk0¼ fp= v/; ;u] i= y[ku ¼vks p[fd@vuk p[fd¼] dgkuh y[ku ¼fDr ,oa ykdkDr¼ dky] opu] fyx] okP;] "kCnka dks Hkko okpd l Kk ea cnyuk] "kCnka dks fo"ksk.k ea cnyuk] rRl e@rnHko] lk; k; okph] foi jhrkFkZ] eggkojka ds vFkZ ,oa okD;] vud "kCnka ds fy, ,d "kCn] vifBr x|kark] okD; ka ea funk'kkud kj ifjorZ] v"kk; okD; ka dks "kk; djuk] v"kk; "kCnka dks "kk; djukA

2. Hindi Literature (Book- ICSE Sahitya Sagar, Peom work book (I.U.P.)

Ekanki Sanchay Pub. Evergreen, Ekanki Sanchay Work Book(I.U.P.)

Ekanki Sanchay- l ldkj v[ks Hkkouk] cgwdh fonk

Poems- l k[kh] dqMfy; k] LoxZcuk l drsga

3. English Language– Book-Total English (Morning Star), Unit 1–8 (All the papers)

4. English Literature- Play: The Merchant of Venice Act-I & Act-II (Scene I-V) (Book and workbook- Morning Star)

Prose: Treasure Trove- A Collection of ICSE Poems and Short Stories (Evergreen Publications) Chief Seattle's Speech, The Old Man at the Bridge, A Horse & Two Goats

Poetry Treasure Trove- A Collection of ICSE Poems and Short Stories (Evergreen Publications) Heart of a Tree, The Cold Within, Bangle Seller

5. Geography (A Text Book of Geography- Goyal Brothers by Veena Bhargava)

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|-----------------------------|--------------------------------|
| 1. Latitudes and Longitudes | 2. Rotation and Revolution |
| 3. Earth's structure | 4. Rocks |
| 5. Volcanoes | 6. Earthquake |
| 7. Tides and Ocean currents | 8. Insolation and Heat Balance |
| 9. Earth as a Planet | 10. Weathering and Denudation |

Introduction of the Toposheet- Including the topics– Northings, eastings, grid reference, height, colours, scale and distance (In theoretical manner)

Map Work- (world) according to the ICSE syllabus

6. History/Civics- Book-Modern Indian History

Contemporary World and Civics Pub. Avichal

History- Ch. 1– The Harappan Civilization, Ch. 2– Early Vedic Civilization

Ch.3– The Later Vedic Civilization, Ch.4– India in the 6th Century BC: Rise of Jainism and Buddhism, Ch.5– The Mauryan Empire, Ch.6 – The Sangam Age: Kindgoms and the social and Economic condition, Ch.7 – The Age of the Guptas

Civics – Ch. 1– Our Constitutions and its salient features

Ch. 2– Fundamental Rights, Fundamental duties and Directive Principles of state policy

Ch. 4- Elections and the Election Commission

7. Physics- Measurements and experimentation, Motion in one dimension, Laws of Motion, Pressure in fluids and atmospheric pressure, Up Thrust in fluids, Archimedes' Principle, Heat & Energy

8. Chemistry- Language of Chemistry, The periodic Table, Study of the First Element- Hydrogen, Study of Gas Laws, Chemical bonding

9. Biology- Cell- Structure & functional unit of Life, Tissues- Building blocks of life, Diversity in the living world, Bacteria and fungi- their economic importance, Flower - structure and functions, Pollination and fertilization, Germination of seeds, Respiration in plants, Nutrition, Tooth- Structure and function, Digestive system

10. Commerce- (Book- Commercial Studies Pub.- S. Chand)

Commercial and Non- Commercial Activities, Business Activities, Classification of Commercial Organizations, Profit & Non-Profit Organization, Sole Proprietorship & Hindu Undivided Family Business, Partnership, Joint Stock Company, Marketing & Sales, Meaning, Objectives & Terminology of Accounting, Accounting Books & Statements (Journal, Ledger, Trial Balance), Banking, Cooperative society, Public sector Enterprises, Finance & Accounts, Human Resource

11. Maths- Expansion, Factorisation, Rational and Irrational numbers, Simultaneous linear equations, Problems on simultaneous linear equation, Indices, Logarithms, Trigonometrical Ratios, Trigonometrical Ratios of standard angles, Triangles, Mid-Point Theorems, Co-ordinate geometry

12. Elementary Economic- Meaning and Definitions of Economics, Branches of Economics & Types of Activities, An Economy: Its Sectors, Basic Concepts & Entities, Types of Economies, Basic Problems of an Economy, Indian Economy: Primary Sector

13. Elementary Economic Applications- Meaning and definitions of Economics, Basic concepts of Economics, Basic problems of an Economy, Types of Economics, Nature and features of Indian Economy, Impact of Agriculture and Industrial Practices on the Ecosystem, Solution to the basic economic problems, India: A developing Economy

14. Computer- Introduction to Java- OOPS concept, JVM, Java Characterset, Tokens, Data types & variables, Operators & Expression, Decision making Structures – if, if else, if else if, else ladder, switch case structure, Looping structure – for Loop, do-while loop, while loop, Nested if and Nested loop

15. Music- Vocal- 1.(a) Sangeet, two main Systems of Indian music, Naad, Saptak, Thaata, Alankar, Raag, Vadi, Samvadi, Aroh, Avroh, Pakad, Chal, Achal Swar (b) Alaap, Taal, Matra, Vibhag, Taan, Sam, Khali, Avartan, Dugun, Chaugun 2. Forms of Geet, Swarmalika, Lakshangeet, Khayal, Dhrupad 3. Life History- Tansen, Pt. V.N. Bhat Khande 4. Taal- Teental, Keherwa taal, Dadra, and Chartaal, Ektaal etc. 5. Raag- Yaman, Khamaj, Bharavi, Athaiya Bilawal kafi

Tabla- Elementary Knowledge and explanation of the following- 1. Tabla and its Parts with simple sketch, 2. Tuning of table, 3. Tabla's Swars, 4. How was Tabla was created?, 5. Laya (Vilambit, Madhya and Drut), 6. Layakari

16. Physical Education- Section-A: 1. The Human Anatomy and Physiology, 2. Muscular System Section-B: 1. Cricket 2. Football

17. Art- Nature (II Paper)- Hibiscus, Sunflower, Zinnia, Pansy, Sadabahar, Kaner Yellow, Rajnigandha, Poppy Still Life (I Paper)- Surahi, Glass, Mug, Basket, School bag, Capsicum, Gourd, Tomato, Pumpkin, Brinjal, Onion, Apple, Orange, Pineapple, Papaya, Pomegranate, Grapes, Water bottle, Banana, Book, Watermelon, kettle, Jug, Pepsi, Bucket, Flower, Utensils, Knife, Fork

18. Fashion Designing- Study of natural and synthetic fibres (Cotton, Silk, Wool, Synthetic, Nylon, Acrylic, Rayon), Fabric- Finishes which improve the properties and appearance of fabric, Introduction of Fashion

Practical- Different types of textures, Hand embroidery, Hand and machine basting stitches (including Project work), Sewing machine and Fashion maker (Diagram, Parts and tools), Difference between ordinary machine & fashion maker, Care and maintenance of machine, Common machine problems

Environmental Science-

1. Understanding our Environment.

- a) What is Environmental Science?
- b) What are our main Environmental Problems?
- c) A Global Perspective of Environmental Problems.
- d) The Root of Environmental Studies.
- e) A Sustainable World.

2. Living Things in Ecosystem.

- a) What is an ecosystem?
- b) Habitat and Ecological Niche.
- c) How Species Interact with Each Other?
- d) Adapting to the Environment.

3. How Ecosystems Work.

- a) Energy Flow in Ecosystems.
- b) The Cycling of Materials.
- c) How Ecosystems Change.

4. Kinds of Ecosystems.

- a) Forest
- b) Grasslands, Deserts and Tundra.
- c) Fresh water Ecosystems.
- d) Marine Ecosystems.
- e) Biogeographic Zones of India.

5. Water

- a) Our Water Resources!
- b) Fresh Water Pollution.
- c) Ocean Pollution.

6. Air

- a) What causes Air Pollution?
- b) Thermal Inversions, Photochemical Smog and Acid Precipitation.
- c) Impact of Air pollution.

7. People

- a) World Poverty and Gap Between Developed and Developing Countries.
- b) Poverty in Developed Countries, Poverty and Developing countries.
- c) The implications of Poverty Trap for the Environment in Developing Countries.

Home Science

L1 – Concept and Scope of Home Science, L2 – Food and Health, L3 – Food Preparation (Method of Cooking), L4 – Nutrients and their Functions, L7 – Growth and Development

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2. Hindi Literature (Book- ICSE Sahitya Sagar, Peom work book(I.U.P.), Ekanki Sanchay Pub. Evergreen, Ekanki Sanchay Work Book(I.U.P.))

Ekanki Sanchay- ekr Hkfe dk eku] I v[kh Mkyyh

Poems- og tle Hkfe ejh] I j dsin] fou; dsin

• **Note-** Complete course of I Term will be included.

3. English Language– Book- Total English (Morning Star)

Unit 9–15 (All the papers) (The entire syllabus in the finals)

4. English Literature- Play: The Merchant of Venice Act-II (Scene VI-IX) Act III (Scene I) (Book and workbook- Morning Star), Merchant of Venice (Scene I & II)

Prose: Treasure Trove- A Collection of ICSE Poems and Short Stories (Evergreen Publications) Hearts and Hands, A Face in the Dark, Angel in Disguise

Poetry Treasure Trove- A Collection of ICSE Poems and Short Stories (Evergreen Publications) After Blenheim, Television, Daffodils

Annual Examination: The entire syllabus of first and second term

5. Geography(A Text Book of Geography-Goyal Brothers by Veena Bhargava)

1. Composition and structure of the Atmosphere
2. Atmospheric pressure and winds
3. Humidity
4. Natural Regions- Equatorial regions, Tropical deserts, Mediterranean Region,
5. Landforms of the Earth
6. Insolation
7. Pollution-Types and Services
8. Effects of Pollution
9. Pollution-Preventive measures
10. Tropical grass land, Tropical Monsoon, Temperate grass land, Taiga Tundra
(Chapters from first term will also be included which will be finalised later on)

Toposheet- Topics same as first term along with drainage pattern, settlement and occupation (to be practiced from any one survey sheet)

6. History/Civics- Book-Modern Indian History Contemporary World and Civics Pub. Avichal

History- Ch8 – South India and the Cholas, Ch9 – The Delhi Sultanate, Ch10 – The Mughal Empire, Ch11 – The composite culture: Bhakti Movement, Sufism & Influence of Christianity on Indian Society, Ch12 – The Renaissance, Ch13 – The Reformation, Ch14 – Industrial Revolution & Capitalism & Socialism

Civics – Ch4 – Local self Government: Rural local institutions, Lh5 – Local self Government: Urban local institution

7. Physics- Reflection of Light, Propagation of sound waves, Current electricity, Magnetism

8. Chemistry- Chemical change and Reactions, Water, Atomic structure and Atmospheric Pollution, Chemical bonding with Atomic structure

9. Biology- Movement, and Locomotion, Skin- structure and function, Respiratory system, Health and hygiene, Disease- Causes and control, Aids to Health, Health organization, Waste generation and management

10. Commerce- (Book- Commercial Studies Pub.- S. Chand)

Production, Purchasing & Stores, Communication in Commercial Organizations, Verbal & Non verbal communication, Different methods of Communication, Basic Accounting Principles & Concepts, Accounting Books & Statements Cash Book, Trade, General Administration & Legal Departments, Social Responsibility of Commercial Organization towards Environment

11. Maths- Pythagoras Theorem, Theorems on Area, Compound Interest, Circle, Statistics, Mensuration, Rectilinear Figures, Quadratic equation

12. Elementary Economics- Indian Economy: Secondary Sector, Indian Economy: Tertiary Sector, Major Problems of Indian Economy: Poverty and Unemployment, Major Reforms and Emerging Trends in Indian Economy

13. Elementary Economics Applications- Sectors of Indian Economy:- Private sector, Public Sector, Service sector, Infrastructure of the Indian Economy, Consumer Awareness, Globalisation

14. Computer- Array – 1 Dimensional complete, Introduction to String in Java, Functions, Looping Structure, Nested Control Structures

15. Music- Vocal- 1.Elementary knowledge of the following: Two main systems of Indian music, Saptak, Swar, Alankar, Vadi, Samvadi etc. 2. Knowledge of Musical notation 3. Tal- Keherwatal, Teental, Ektaal, Chartaal Dugun, Chaugan 4. Raag- Kaf, Alhaiya Bilawal, Yaman, Khamaj Bhairavi 5. Life History Tansen, Pt. V.N. Bhatkhande 6. Singing of Ten Alankar

Tabla- Elementary Knowledge and explanation of the following- 7. Matra Taal (Vibhag, Sam, Tali, Khali, Avartan) Thaats, Ekgun, Dugun, Chaugun, Theka (Bol), 8. Taal Notation of different taals- i. Teen Taal ii. Keharwa iii. Dadra taal iv. Jhaptaal v. Char taal vi. Ektaal, 9. Simple Development of Different Taal, 10. Elementary knowledge of Sangeet, Naad, Shruti, Swar, Saptak, Shudh & Vikrit Swar, Chal-Achal Swar, 11. Writing of Thekas in Thaah, Dugun & Chaugun & Laya Karies, Origin and Development of Tabla

16. Physical Education- Section-A: 1. Respiratory System, Circulatory System, Games and Sports, Section-B: (As prescribed in the course book) 1. Cricket, 2. Football, 3. Hockey Note: A specialised teacher can include a question of his choice of game with the given syllabus of the sports section.

17. Art- Nature (II Paper)- Dahlia, Aster, Lily, Money Plant, petunia, Nasturtium, Bougainvillea, Carnation, Canna, Pink Kaner. Still Life (I Paper)- 1. Surahi, Glass, Mug, Tray 2. Basket, Capsicum, Tomato, Brinjal, Onion, Gourd 3. School Bag, Book, Water Bottle, 2 Apples 4. Bucket, Pot, Broom, Hanging Towel 5. Kettle, Cup Plate, Spoon,

Knife, Egg 6. Pineapple, Apple, Grapes, Banana, Orange 7. Papaya, Jam Bottle, Plate, Lemon 8. Book, Glass, Pomegranate, Grapes, Coconut 9. Shoebox, Polish, Brush.

18. Fashion Designing- Weaving- Types of weaving, Designing Features in Fabrics (Gathers, Tucks, Pleats, Smocking and Darts), Including previous topic

Practical- Fabric Swatches Projects, 16 Samples of Tie & Dye (Including Project Work)

Environmental Science-

1. Atmosphere and Climate

- a) The Atmosphere
- b) Climate
- c) Greenhouse Effect
- d) The Ozone Layer

2. Soil and Land

- a) Deforestation
- b) Soil Erosion and Desertification
- c) Land Pollution

3. Urbanisation

- a) Causes of Urbanisation.
- b) Manifestations of Urbanisation.
- c) Social, Economic and Environmental Problem.

4. Agriculture

- a) Unsustainable patterns of modern industrialised agriculture.
- b) Environmental damage due to Large Farm units.
- c) Food Maintenance in Developed Countries
- d) The Green Revolution

N. B. – From First Term- How ecosystem works 10%

Soil and Land 20%, Water – 20%

Home Science

L8 – Role of Play and Play School for the Young Child, L10 – Gas, Electricity and Water, L11 – Waste Management in the Home and Community, L12 – What are S.R's, L13 – Fabrics Available in the Market, L14 – Clothes are our Second Skin

I Unit Test Chapters – 1, 2, 3, 4, 7

Half Yearly Exam Chapters– 1, 2, 3, 4, 7, 8, 10, 12

Final Exam Chapters – 2, 3, 4, 7, 10, 11, 13,14