

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

- 1. Hindi Language (ISC Hindi Vyakaran Pub. Manjusha I.U.P.)**  
fucfl/k] vi fBr x | kxk] egkjok]ka l sokD; cukvk] v"ko] okD; ka dks "ko] dhft ,
- 2. Hindi Literature** (Book- 1. Gadya Sankalan-Evergreen,  
2. Kavya Manjari Pub. Evergreen,  
3. Sara Akash Pub. Radha Krishan Pvt. Ltd.(I.U.P.))  
**Gadhya Sankalan-** i f i e] xk]h] "kj .kkxr] D; k fujk" k gqk tk, \   
**Kavya Manjari-** ryl h ds in] cly yhyk] , d Qy dh pkg] l kjk vkdk" k 1&6
- 3. English Language**– Book Total English (Morning Star), Unit 1 – 8
- 4. English Literature-** Play: The Tempest (Act I&II), Prose Echoes- A Collection of ISC Short Stories (Evergreen Publications) Salvatore, Fritz, Quality Poetry: Reverie A Collection of ISC Poems, The Gift of India, Desiderata, John Brown
- 5. Physics-** Fundamental and derived units, Error analysis, Significant figures, Dimensional analysis, Vectors, Motion in one and two dimensions, Force: Newton's laws of motion, Work, Power and Energy, Friction, Motion in fluids: Viscosity, Uniform circular motion, Rotational motion of a rigid body: moment of Inertia, Gravitation: Planets and satellite, Elasticity, Surface tension
- 6. Chemistry-** Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements & Periodicity in Properties, Chemical Bonding & Molecular Structure, Organic Chemistry: Some Basic Principles & Techniques, Redox reaction
- 7. Biology-** 1. Diversity of Living Organisms (i) The Living World (ii) Biological classification (iii) Plant Kingdom (iv) Animal Kingdom  
2. Structural Organisation in animals and plants (i) Morphology of flowering plants (ii) Anatomy of flowering plants (iii) Structural organization in animals  
3. Human physiology (i) Digestion and absorption (ii) Breathing and exchange of gases (iii) Body fluids and circulation  
4. Plant Physiology (i) Transport in plants (ii) Mineral nutrition (iii) Photosynthesis in higher plants
- 8. Accounts- (Book- ISC Accounting (D.K. Goel Pub.- AVC)**  
Accounting for G.S.T, Meaning and Objectives, GAAP, Basic Accounting terms, IFRS (AS), Bases of Accounting, Accounting Equation, Journal, Cash Book, Subsidiary book, Ledger,  
BRS, Trial Balance, Rectification, Capital and Revenue Expenditure, Depreciation
- 9. Commerce- (Book- ISC Commerce VOL-I by C.B. Gupta Pub.- S. Chand)**  
Classification of Human Activities- Economic and Non-Economic, Nature and objectives of Business, Classification of Business Activities, Introduction to Business Organization, Sole trader, Partnership, Joint Stock Co., Types of Companies, Formation of a Company, Stock Exchange, Social Responsibility of Business and Business ethics, Wholesale Trade, Retail trade

- 10. Maths-** Complex Numbers, Quadratic Equations, Linear Inequalities, Principle of Mathematical Induction, Trigonometry, Limits and Derivatives, permutations and Combinations, Statistics, sequences and Series, Binomial Theorem
- 11. Business Studies-** Business Environment, Entrepreneurship, Business Risks and Causes of Failure, Manager and Managerial Roles, Project - I
- 12. Economics-** Definitions of Economics, Basic concepts of Economics, Basic problems of an Economy, Types of Economics, Solution to Basic Economic problems, Economic growth and Indian Economic development, Liberalisation, Measures of central value, Index numbers, Indicators (Parameters) of Economic development, Sustainable development, Collection, Organisation & Presentation of Data, State of Indian Economy, Definition, Scope & Importance of Statistics
- 13. Music- Vocal-** 1. Musical Sound- Naad, Shruti, Saptak, Swar, Thaata, Jati 2. Swars- Tivra, Komal swar, Shudha Swar, Vikrit swar, Samvadi, Vadi, Anuvadi, Vivadi, Varjya swar, Nyas, Grah, Ansh swar 3. Alankar- Palte, Khayal, Lakshangeet, Sargam, Sthayee, Antara Sanchari and Abhog 4. Form of Composition- Khayal, Lakshgeet, Sargam Sthayee, Antara Sanchari and Abhog Sargam 5. Raag- Yaman, Bhoopali, Bhairav, Bilwal 6. General Knowledge of the following additional Raags:  
a) Brinda vani Sarang b) Desh
- Tabla (Theory & Practical)-** 1. Contribution of the following Musicians a) Tansen b) Amir Khusro c) Pt. Vishnu Narayan Bhatkhande d) Pt. Vishnu Digamber Paluskar  
2. Explanation of the following: a) Theka b) Avartan c) Kismen d) Mukhada e) Mohra f) Tukada 3. Tal Notation with Dugun & Chaugun a) Teen taal b) Rupak c) Ektaal 4. Five Paran of tal & explanation: a) Kal b) Marg c) Kariya d) Ang e) Kala f) Laya 5. Brief History and origin of instrument
- 14. Physical Education-** Section-A: 1. Concept of Physical Education, 2. Individual aspects and Group Dynamics, 3. Effects of Physical Exercise on Human Body Systems. Section-B: (All the rules, regulation, Terms and Tournaments) 1. Cricket, 2. Football, 3. Hockey, 4. Basketball
- 15. Art-** Nature (II Paper)- Sadabahar, Zinnia, Pansy, Hibiscus, Coconut, Papaya, Sunflower, Kaner (Pink, Yellow) and Money Plant  
Still Life (I Paper)- 1. One big inkpot, Small inkpot, Thick book on a Box 2. Orange Juice bottle, Steel jug, Glass & spoon, 3. Full and Half watermelon on a plate on drawing board 5. Jar, pickle on a board 6. A glass with juice, an apple on a book 7. Bag, Glass, Orange & a tiffin box 8. 2 Brinjals & 2 Capsicums & Tomato 9. An apple, one glass of juice and Roohafzah bottle
- 16. Fashion Designing-** 1A. Introduction of Fashion, B. Classification of Fashion, C. Fashion Cycle, D. Fashion and Current Trends, E. Careers in Fashion, F. Fashion Terminology, 2A. Types of Design, B. Elements and Principles of Design, 3. Basic Illustration- A. Learn to Draw mechanical Croque, B. Clothing the Croque- 2 western and 2 Indian outfits, C. The 8 head and 10 head proportions  
**Practical-** Learning in details about 5 Indian and 5 international designers, along with their styles of clothing. (including Project Work)
- 17. Computer-** Number System, Propositional Logic, Java Programming Classes, Objects, Constructor, Boolean Algebra & Computer Hardware (K-Map, Basic Gates, Universal Gates, Exclusive Set of Gates, Adders), File Handling
- 18. Home Science-** 1. Concept and Scope of Home-Science, 2. Food and Nutrition, 3. Resource Management

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**CLASS-XI TERM-II 2019-20**

**1. Hindi Language (ISC Hindi Vyakaran Pub. Manjusha I.U.P.)-**  
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**2. Hindi Literature** (Book- 1. Gadya Sankalan-Evergreen,  
2. Kavya Manjari Pub. Evergreen,  
3. Sara Akash Pub. Radha Krishan Pvt. Ltd.(I.U.P.))

**Gadhyā Sankalan-** l rh] vkmV l kbMj] nkl h  
**Kavya Manjari** – vk% /kjrh fdruk nrh g s un h ds }hi] l k [kh]  
tkx r s n j tkuk g s l k j k vk d k " k 7 & 10

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

**3. English Language-** Unit 9 – 15 (Final All Units 1-15)

**4. English Literature-** Play: Act III

Prose: A Gorilla in the Guest Room, The Chinese Statue

Poetry: The Spider and the Fly, Dolphins

Annual Examination: The entire syllabus of first and second term

**5. Physics-** Kinetic theory of gases, Internal energy: First law of thermodynamics, Isothermal and adiabatic processes, Second law of thermodynamics, Heat transfer, S.H.M, Wave, Wave motion, Superposition of waves I- Interference/Beats, Superposition of waves II- Standing wave / vibration in air column, Vibration of stretched string, Doppler's effect

**6. Chemistry-** States of Matters: Gases & Liquids, Chemical Thermodynamics, Equilibrium, Some P-Block elements, Hydrocarbons, Environmental Chemistry (First Term chapters will be included in Second Term), Hydrogen and S block

**7. Biology-** 1. Cell Structure & Function (i) Cell: the unit of life (ii) Biomolecules (iii) Cell cycle and Cell division

2. Human physiology (i) Locomotion & Movement (ii) Neural control and coordination (iii) Chemical coordination and Integration, Excretory product & Elimination

3. Plant physiology (i) Respiration in plants (ii) Plant growth and development

**8. Accounts- (Book- ISC Accounting (D.K. Goel Pub.- AVC)**

Provision and Reserve, Final Accounts, Accounts of Not for Profit Organization, Bills of Exchange, Accounts from Incomplete Records, Introduction to the use of Computers in Accounting, Computerized Accounting System, Project Work

**9. Commerce- (Book- ISC Commerce VOL-I by C.B. Gupta Pub.- S. Chand)**

Including First Term + Public Enterprise, Public utilities & Public Private Partnership, Procedure and documents used in home trade, Nature and scope of foreign trade, Export trade, Import trade, WTO, Business Risks and Insurance, Types of Insurance, Types of Insurance, Public Enterprises, Public Utilities and Public Private Partnership, Cooperative Organizations, E-business and Outsourcing

**10. Maths-** Straight Lines, Circles, Probability, Sets relations and Functions (section B/C) (Section B)- conic Sections, Introduction to Three Dimensional Geometry, Mathematical reasoning (Section C)- Statistics, Correlation Analysis, Index Numbers and Moving Averages

**11. Business Studies-** Authority, Responsibility and Accountability, Change Management, Automation at Workplaces, Productivity Enhancement Tools and Facilities, Also includes the lessons of First Term, Project II

**12. Economics-** The problem of poverty in India, Employment & unemployment in India, Measures of Dispersion, Correlation, Human Capital Formation, Economic planning & Economic development in India, Comparative study of Indian and Chinese Economy, Some Mathematical Tools, Profile of Indian Agriculture

**13. Music- Vocal-** 7. Taal- Teental, Roopak, Dadra, Ektal 8. Contribution of the following musicians: a) Tansen b) V.N. Bhatkhande c) Amir Khusroo d) Kesar Bai Kelkar e) Khalifa Nathu Khan f) Biroo Mishra g) V.D. Palushkar 9. Raag- Yaman, Bhoopali, Bilawal, Bhairav 10. Raag Brindavani sarang, Desh are additional raag

**Tabla (Theory & Practical)-** 6. Description of the various parts of the instrument with sketch 7. Explanation of the following: Tukda, Mukhda, Mohra, uthan, Paran, peshkara, Gat, Palta, Kayada, Relā, Laggi and ladi, Tehai (Damdar/Bedam) Sath, Kisme, Solo sangat 8. Mannar of holding the instrument while playing 9. Technique of producing syllabus on table (Dayan and Bayan Both sides) individually and jointly) 10. Classification of Indian Instrument: Tal, Vital, Sushir, Ghan, Avanadh

**14. Physical Education-** Section-A: 4. Nutrition, Weight Control and Exercise, 5. Physical Fitness and Wellness, 6. Games and Sports- A Global Perspective Section-B: (All the Rules, Regulation, Terms and Tournaments)

1. Cricket, 2. Football, 3. Hockey, 4. Basketball

Note: A specialised teacher can include a question of his choice of game with the given syllabus of the sports section.

**15. Art-** Nature (II Paper)- Marigold, Dahlia, Aster, Lily, Money plant, Poppy, Tube Rose, Petunia, Nasturtium, Bougainvillea, Carnation, Chrysanthemums

Still Life (I Paper)- 1. Gum, Bottle, Detergent soap, Neel box 2. Apple on a book and Pepsi bottle 3. Bucket, Mug, Gum bottle, Soap case 4. Knife, Cup, Kettle, Spoon 5. Lamp, Glass, Open book and a pen 6. Teapot, Knife, Cup, Plate 7. Flask, Lady's purse, Tiffin box 8. Pumpkin, Brinjal, Onion, Bottle gourd Lemon 9. Bucket, Kadhai, Big spoon, Steel glass

**16. Fashion Designing-** Different figure types, Buying Fabric, Care of Clothes, Basic Illustration, Clothing the Croque, Some common stains and their removal, Storage and maintenance of clothes, History of Fashion, Revision of all previous topics

**Practical-** Cutting and finishing techniques- Seams, Tucks, Pleats, Gathers, Neckline facing, Fasteners, Plackets, Hemfinishes

**17. Computer-** Date Structure-Stacks, Queue and their Application, Java Programming, Boolean Algebra, Computer H/W, File Handling

**18. Home Science-** 4. Human Development (0-12 Years), 5. Textile and Clothing, 6. Communication and Extension

Notes + Saraswati Home – Science Book Class XI