

**DR. VIRENDRA SWARUP**  
**Shri Ragendra Swarup Group of Institutions**  
**Common Syllabus For All Branches**  
**CLASS-XII TERM-I 2020-21**

**1. Hindi Language (ISC Hindi Vyakaran Pub. Manjusha I.U.P.)**

निबन्ध लेखन, अपठित गद्यांश, मुहावरों से वाक्य बनाओ, अशुद्ध वाक्यों को शुद्ध कीजिए

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

**Gadhy Sankalan-** भक्तिन, संस्कृति क्या है ?

**Kavya Manjari-** उद्यमी नर, बादल का घिरते देखा है,

सारा आकाश- उत्तरार्द्ध 1-6

**Note-** Complete course of Class XI will be included.

**3. English Language-** Book- Total English (Morning Star)- Unit 1 - 8

**4. English Literature-** Play: The Tempest (Act IV, Act V) Prose: Echoes Collection of ISC Short Stories- The Singing Lesson, The Sound Machine, To Build a Fire, The Story of an Hour

Poetry: Reverie- A Collection of ISC Poems- Dover Beach, The Darkling Thrush, Birches, Crossing the Bar

**Note-** Syllabus of Class-XI will be included

**5. Physics-** Electric charges and field, Gauss' Theorem, Electric potential and Potential energy, Capacitors and dielectrics, Electric resistance and Ohm's law, D.C circuits and measurements, Moving charges and magnetism, Torque on a current loop: Moving Coil Galvanometer, Magnetic field and Earth's Magnetism, Magnetic classification of substances, Electromagnetic induction, A.C, Electromagnetic wave, Spherical mirrors, Refraction of light at a plane interface: Total internal reflection: Optical Fiber, Refraction of light at spherical surfaces: Lenses, Refraction and dispersion of light through a prism, Optical instrument

**6. Chemistry-** Solid State, Solution, Chemical Kinetics, d- and f- Block Elements, Co-ordination Compounds, Haloalkanes and Haloarenes, Alcohols, Phenols and Ethers, Aldehydes, Ketones & Carboxylic acid, Organic Compounds Containing Nitrogen, Polymers, Chemistry in Everyday Life

**7. Biology-** Reproduction- Reproduction in organisms, Sexual reproduction in flowering plants, Human reproduction, Reproduction health, Genetics & Evolution- Principles of inheritance & variation, Molecular basis of inheritance, Evolution, Biology and Human welfare- Human Health & disease, Strategies for enhancement in food production, Microbes in human welfare

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

Accounting with Partnership firm- Fundamental, Goodwill Concept & Valuation, Admission of Partner, Retirement and death of a Partner, Dissolution of Partnership Firm, Company Accounts- Issue of Shares

**9. Commerce- (Book- ISC Commerce VOL-II by C.B. Gupta Pub.- S. Chand)** Business Environment, Capital Fixed and working, Sources of Finance for a Joint Stock Company, Banking – Latest Trends, Management- Meaning, Nature and Importance, Principles of Management, Functions of Management, Functions of Management and Coordination, Planning, Staffing, Consumer Protection

**10. Maths-** Matrices, Determinants, Inverse trigonometric Functions, Indeterminate Form, Differentiability and Continuity, Indeterminate Form, Application of Derivatives, Integrals, Definite Integration

**11. Business Studies-** Human Resource Management, Job and Manpower Planning, Staff Recruitment, Staff Selection, Staff Training, Staff Morale, Staff Motivation, Staff Remuneration, Staff Leadership, Staff Appraisal, Staff Promotion and Transfer, Project Work-I

**12. Economics-** Micro & Macro Economics, National Income

**13. Computer-** Boolean Algebra, Computer Hardware, Java Programming, Recursion

**14. Music- Vocal-** 1. Production, Transmission and reception of sound, volume, pitch and timber. 2. Type of Ragas: Purva, Uttar, Sandhi Prakash Shuddh, Chayalag, Sankirna 3. Forms of Compositions- Dhrupad, Dhamar and their division into sthai, Antra, Alap, Taan. 4. Sangeet: Two main system of Indian classical music, Division of twenty two shruties among seven notes. 5. Laya: (Drut, Vilambit, Madhya) 6. Raga's with special reference of their notes: Aroh-Avroh Pakad, Vadi-Samvadi, Time of singing etc. Raag-Asawari, Khamaj, Kafi, Bhairavi 7. Notation of the following taals in Dugun & Chaugun Laya (i) Jhaptaal (ii) Chartaal (iii) Teevra (iv) Keherwa tal 8. Notation of Vilambit Khayal and Keherwatal Drut Khayal with Alap & Taan (Vilambit Khayal). 9. Comparison and contrast between raga's.

**Tabla (Theory & Practical)-** 1. Contribution of the following Musicians: (i) Adarang (ii) Faiyaz Khan (iii) Bade Ghulam Ali Khan (iv) Dagar Brothers 2. Essay of general or topical interest on Music and allied subjects. 3. Brief history of Indian Music 4. Five parans of Taal and their explanation: (i) Grah (sam, Visham, Atit, Anaghat) (ii) Jati (Chatasra, Tisra, Misra, Khand, Sankirna) (iii) Yati (iv) Prastor

**15. Physical Education-** Section-A: Sociological Aspects of Physical Education, 2. Training Methods, 3. Career Aspects in Physical Education. Section-B: (All the rules & regulations of the game) 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.

**16. 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

**17. Fashion Designing-** Introduction of Textiles, Fibres- Natural and Manmade, Yarns formation and yarn twist, Importance of the Textile Industry, Basic weaves, History of Fashion (1901-1920 and 1941-1950 to newlook-1947)

**Practical-** Fibre Identification, Weaving, Fabrics dyeing, Laundering fabric (Cotton, Silk, Wool, Synthetic)

**18. Psychology-**

Ch3- Lifespan Development

(3a) Development- Meaning, Determinants, Ecological Systems Theory

(3b) Infancy- Motor, Cognitive and Socio-emotional development

(3c) Childhood- Motor, Cognitive & Socio-emotional development

(3d) Adolescence- Motor, Cognitive and Socio-emotional development

Ch1- Intelligence & Ability

(1a) Intelligence- Meaning, theories & measurement

(1b) Aptitude, Achievement & Interest- Meaning and assessment

Ch2- Personality

(2a) Definitions of Personality

(2b) Theories of Personality

(2c) Assessment of Personality

Ch4- Stress & Stress Management

(4a) Stress- Meaning

(4b) Stress- Common causes

(4c) Effects of stress on health and performance

(4d) Stress Management- ineffective & effective strategies of handling stress

**19. Political Science-**

Section-A

Ch1- Forms of Government, Ch2- Constitution, Ch3- Franchise and Representation

Ch4- The Legislature

Section-B

Ch7- Indian Constitution, Ch8- Fundamental Rights and Directive Principles

**20. Home Science-** 1. Food Preparation (Notes), 2. Management of Agricultural Products storage and Preservation (Notes), 3. Meal Planning for the family (Notes), 4. Resources Management (Safety in the Home) · Safety and sanitation in the Kitchen · Disposal of House Hold waste, 5. Food Adulteration (Notes), 6. Consumer Protection (Notes)

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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.))  
**Gadhya Sankalan-** मजबूरी  
**Kavya Manjari** – अंधेरे का दीपक  
सारा आकाश– उत्तरार्द्ध 7–10,  
चरित्र चित्रण (समर, प्रभा, मुन्नी, भाभी, माँ, बाबूजी, शिरीष, दिवाकर)
- Note-** Complete course of Class XI & XII will be included.
- 3. English Language-Book-Total English(Morning Star)–Unit 9-15 (All Units 1-15)**
- 4. English Literature-** Play- The entire play, Prose: All the chapters including ‘B. Wordsworth’, Poetry- All the poems including ‘We are the Music Makers’ Revision
- 5. Physics-** Wave nature of light: Huygen’s Principle, Interference of light, Diffraction of light, Polarisation of light, Photoelectric effect, Matter waves, X-Rays, Atoms, origin of spectra: Bohr’s Theory of H-Atom, Nuclear structure, Radioactivity, Mass energy equivalence: Nuclear B.E, Nuclear fission and Nuclear fusion: Source of energy, Semiconductor electronics, Junction Diodes, Junction Transistors, Logic Gates, Communication system
- 6. Chemistry-** Electrochemistry, Surface Chemistry, General Principle & Processes of Isolation of Elements, p- Block Elements, Biomolecules (Full Syllabus of First Term)
- 7. Biology-** Biotechnology and its application- Biotechnology-principles and process, Biotechnology and its applications, Ecology and Environment- Organisms and population, Ecosystem, Biodiversity and its conservation, Environmental Issues
- 8. Accounts- (Book- ISC Accounting (D.K. Goel Pub.- AVC)**  
Company Accounts- Issue of Debenture, Redemption of Debentures, Financial Statements of Companies, Comparative and Common size Statement, Cash flow Statement, Ratio Analysis
- 9. Commerce- (Book- ISC Commerce VOL-II by C.B. Gupta Pub.- S. Chand)**  
Including First term + Organizing, Directing, Controlling, Marketing- Concept and Functions, Marketing Mix
- 10. Maths-** Differential Equations, Probability, Relations and Functions, Section B/C, (Section B)- Vectors, Three dimensional Geometry, Planes, Application of Integrals (Section C)- Application of calculus in Economics and Commerce, Linear regression, Linear Programming

- 11. Business Studies-** Staff Separation, Emerging trends in human resources, Business Communication, Business Correspondence (Letters and Reports), E-mail and Video conferencing, Business size and Finance, Globalisation and recent trends in Business, Business Regulators and Intermediaries, Roles of Regulators and Intermediaries, Project work-II, All the lessons of First semester are also included.
- 12. Economics-** Money & Banking, Balance of Payments, Public Finance, Theory of Income, output and employment
- 13. Computer-** Binary Tree, Data Structure complete, Big ‘O’ Notation, Inheritance, Complete Syllabus of first term
- 14. Music- Vocal**- 10. Brief history of Indian Music. 11. Contribution of the following Musicians: (i) Adarang (ii) Bade Gulam Ali Khan (iii) Faiyaz Khan (iv) Dagar Brother (v) Inayat Khan (vi) Allaudin Khan 12. Raag- Asawari, Malkauns, khamaj, Kafi, Bhairavi, Bageshwari 13. Taal- Chartaal, Jhaptaal, Tivrataal, Keherwataal 14. Singing of 10 Alankars 15. Identifying notes  
**Tabla (Theory & Practical)**- 5. Explanation of the following: (i) Sath (ii) Tihai (Damdar / Bedam) (iii) Kayada (iv) Palta (v) Rela 6. Complete Taal Natation of the following taals: (i) Jhaptal (ii) Dadra (iii) Tilwara (iv) Dhamar (v) Jhoomra 7. Taal Rotation of Kayada, Palta etc. with clear indication of Sam, Tali, Khali, Vibhag etc.
- 15. Physical Education-** Section-A: 4. Competitions and Tournaments, 5. Health Education and Health Problems, 6. Sports Injuries and First Aid  
Section-B: (All the rules, regulations, Terms and Tournaments)  
1. Cricket 2. Basketball 3. Hockey 4. Football  
Note: A specialised teacher can include a question of his choice of game with the given Syllabus of the sports section.
- 16. 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
- 17. Fashion Designing-** Other fabric constructions- Hand woven and non woven fabrics (short notes), Indigenous dyes, Indian Textiles and Drapes, History of Fashion (1961-1970 and 1971-1980 to 2001 till date), Short notes on women’s wear, Shorts notes on men’s wear, Various saree drapes (women), Various Dhoti drapes (men), Various Skirts of different state, Designs of Salwar, Chudidar, Aligarh Paizama, Revision of all the previous topics including practicals  
**Practical-** Macrame knots, Vegetable & Leaf printing, Tie & Dye

## **18. Psychology-**

Ch5- Psychological Disorder & Psychotherapy

(5a) Abnormal behaviour- meaning, perspectives and classification

(5b) Some Psychological disorders- Anxiety, Phobia, Obsessive- Compulsive disorder, Mood disorder & Personality disorder

(5c) Schizophrenia- meaning, types and characteristics

(5d) Psychotherapy- Approaches

Ch6- Social Thought & Social Behaviour

(6a) Social Perception- Attribution

(6b) Social Influence- Social norms, Conformity & Obedience

Ch7- Attitudes

(7a) Attitude: meaning, formation and attitudes change. Relationship between attitude, perception, behaviour and belief

(7b) Prejudice- meaning of prejudice and discrimination and the Indian context

Ch8- Application of Psychology

(8a) Clinical & Counselling Psychology

(8b) Educational Psychology

(8c) Organizational Psychology

(8d) Crime

## **19. Political Science- (Whole First Term Syllabus)**

### Section-A

Ch5- The Executive, Ch6- The Judiciary

### Section-B

Ch8- Fundamental Rights and Directive Principles

Ch9- Local Self Govt

Ch10- Democracy in India- a perspective of the challenges faced

## **20. Home Science-**

Human Development – Notes, (Adolescent, Adulthood, Old age),

Reference Book- Saraswati Home Science