

DR. VIRENDRA SWARUP
Shri Ragendra Swarup Group of Institutions
Common Syllabus For All Branches
CLASS-XII TERM-I 2022-23

1. Hindi Language

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

2. Hindi Literature

गद्य संकलन (कहानी) – भक्तिन, संस्कृति क्या है ?

काव्य मंजरी (कविता) – जाग तुझे दूर जाना है, 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

Composition Writing, Directed Writing (Speech Writing, Article Writing, Book Review, Film Review, Newspaper Report, Cultural Programme Review, Statement of Purpose, Personal Profile), Proposal Writing, Functional Grammar, Comprehension Passage

4. Literature in English- Play: The Tempest (Act IV) 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- Book-1 Complete

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

6. Chemistry- Solid State, Solution, Electro Chemistry, P-Block Elements, Metallurgy, Halo Alkanes and Halo Arenes, Alcohol, Phenol and Ethers

7. Biology- Reproduction in Organisms, Sexual Reproduction in Flowering Plants, Human Reproduction, Reproductive Health, Principles of Inheritance & Variation, Molecular Basis of Inheritance, Evolution, Human Health & Disease, Strategies for Enhancement in Food Production, Microbes in Human Welfare

8. Accounts- 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- 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- (Section A) Inverse Trigonometric Function, Matrix, Determinants, Continuity and Differentiability, Indeterminate Forms, Applications of Derivatives, Integrals

11. Business Studies- Introduction to HRM, Job and Manpower Planning, Staff Recruitment, Staff Selection, Staff Training, Staff Morale, Staff Motivation, Staff Remuneration, Staff Leadership, Staff Appraisal, Staff Promotion and Transfer, Staff Separation, Emerging Trends in Human Resources

12. Economics- Unit 1- Micro Economics Theory Ch2 to Ch11 and Macro Economics, Unit 3- Money and Banking

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

14. Music- Vocal- 1. Musical terms and forms- Naad, Raag (Sandhi Prakash Raag, Chayalag Raag, Sankeerna Raag, Uttarang-Poorvang, 2. Forms of competition- Dhrupad, Dhammar, 3. Meend, aandolan, Ghamak, Taan, Alap, 4. Taal notation- Dhammar taal, chaar taal- Thah, Dugun, Chaugun, 5. Tanpura- Brief history and sketch with parts, 6. Classification of Indian Musical Instruments, 7. Raag- Bihag, Kafi, Bageshwari, Full introduction, notation, alaap, taan and swar vistar each etc. **Tabla -** History and knowledge of Tabla Brief history of origin and evolution of table drowing and labeling with description and tuning, 2. Five Pranas of Taal, Grah, Jaati, Yati, Prastar, Laya, Definition and explanation with examples 3. Classification of Indian musical instruments, Tat-Vitat, Sushir, Avanadh, Ghan, Definition and explanation with examples, 4. Composition of Tabla, Tihai (Dumdar/Bedam) Gat, Kayda, Palta, Rela, Laggi, Ladi, Chakkardar, Tukda, Paran, Definition and explanation with examples, 5. Additional terms, Sam, Taali, Khali, Vibhag, Lehra (Nagma) Definition and explanation with examples

15. Physical Education- Section-A: Ch1- Sociological Aspects of Physical Education, Ch2- Training Methods, Ch3- Career Aspects in Physical Education Section-B: Cricket, Football, Hockey, 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- Intelligence and Ability, Personality, Lifespan Development, Stress and Stress Management

19. Political Science-

Section-A

Ch1- Forms of Government- Totalitarian State and Authoritarian States and Liberal Democratic States (Meaning and Features), Ch2- Forms of Government- Unitary & Federal States (Meaning and Features, UK as a Unitary State, USA as a Federal State and India as a Federal State with Subsidiary Unitary Features), Ch3- Forms of Government- Parliamentary and Presidential Forms of Government (Meaning and Features, Parliamentary and Presidential Government in the UK and USA), Ch4- Constitution: Meaning and Kinds of the Constitution. Meaning, Procedures & Conventions of the Constitution of UK, USA and India, Ch5- Franchise and Representation (Meaning of Franchise, Universal Adult Franchise, Method of Election, Constituency, Representation and Minority Representation and Political Parties and Party Systems)

Section-B

Ch9- Indian Constitution The Preamble and Salient Features of the Indian Constitution, Ch10- Fundamental Rights, Ch11- Directive Principles of State Policy

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)

DR. VIRENDRA SWARUP
Shri Ragendra Swarup Group of Institutions
Common Syllabus For All Branches
CLASS-XII TERM-II 2022-23

1. Hindi Language-

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

2. Hindi Literature

गद्य संकलन (कहानी) – मजबूरी

काव्य मंजरी (कविता) – 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)

Composition Writing, Directed Writing (Speech Writing, Article Writing, Book Review, Film Review, Newspaper Report, Cultural Programme Review, Statement of Purpose, Personal Profile), Proposal Writing, Functional Grammar, Comprehension Passage

4. Literature in English- Play- The entire play, Prose: All the chapters including ‘B.

Wordsworth’, Poetry- All the poems including ‘We are the Music Makers’

Note- If we follow yearly pattern, the entire syllabus of class XI & XII will also come

5. Physics- Book 1 & 2 Complete

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, Wave

nature of light: Huygen’s Principle, Interference of light, Diffraction of light,

Polarisation of light, Photoelectric effect, Matter waves, 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- Chemical Kinetics, Surface Chemistry, d and f-Block Elements,

Coordination Compounds, Aldehyde, ketone and Carboxylic Acids, Organic

Compounds Containing Nitrogen, Biomolecules, Chemistry in Everyday Life,

Polymers

7. Biology- Biotechnology, Biotechnology and its Application, Organisms and Population, Ecosystem, Biodiversity and Conservation, Environmental Issues

8. Accounts- Company Accounts- Issue of Debenture, Redemption of Debentures, Financial Statements of Companies, Comparative and Common Size Statement, Cash flow Statement, Ratio Analysis

9. Commerce- Including First term + Organizing, Directing, Controlling, Marketing- Concept and Functions, Marketing Mix

10. Maths- Differential Equation, Probability, (Section B) Vectors, Three Dimensional Geometry, Applications of Integrals, (Section C) Application of Calculus in Commerce and Economics, Linear Regression, Linear Programming

11. Business Studies- Business Communication, Business Correspondence, Reports and Report Writing, Various Business Entities, Sources of Business Finance, Globalisation, E-business, Outsourcing, Business Regulators and Intermediaries

12. Economics- Unit 2 – Theory of Income and Employment, Unit 4 – Balance of Payment and Exchange Rate, Unit 5 – Public Finance, Unit 6 – National Income

13. Computer- Binary Tree, Data Structure complete, Big ‘O’ Notation, Inheritance, Complete Syllabus of first term

14. Music- Vocal- 1. System of Indian Classical Music, 2. Laya- Vilambit, 3. Placement of Swar on twenty two shruti, 4. Thaata of Pt. V.N. Bhatkhande, 5. Vadi Swar and time of the Raag, 6. 200 words related to music, 7. Life history and achievement- Pt. Ravi Shankar, Pt. Bhimsen Joshi, 8. Taal notation- Ek taal, Rupak taal, Thah, Dugun, Chaugun, 9. Raag- Bhairvi, Malkauns
Practical- 7 Alankar in your syllabus, Raag bandish and notation, Singing/Playing Vilambit Khayal (Bihag, Kafi, Bageshwari, Bhairavi and Malkauns), Working of taals in hand and playing (Ek taal, rupak taal, char taal, dhamar taal, thah, dugun, chaugun

Tabla- Talas- Jhaptaal, Dadra, Teental, Dhamar, Jhoomra, Kaharwa, Complete notation of the above in Thah, Dugun, Tigun and Chaugun Laya with characteristics, 7. Method of Presentation, Solo (Ekal) and accompaniment (Sangat) meaning solo presentation (order of performance) Playing technique while accompanying with vocal and instrumental music, 8. Eminent Musicians of Hindustani Music- The following musician to be studied: Pt. Kishan Maharaj, Ustad Ahmad Jagan Thirakwa life sketch, work and achievements, 9. Topics of general interest related to music, Essay type question of about 200 word will be asked on the above
Tabla Practical (30 Marks) Playing of the following Taals on Tabla in Thah, Dugun and chaugun Layakari, Jhaptaal, Dadra, Teental, Dhamar, Jhoomra-kaharwa, Keeping the wazan of the Taal intact demonstration of the following: Four kism in kaharwa, four kism in Dadra, One tukda, two kism and one kayada with two paltas and Tihai in Teental, One Gat, one Laggi, one Ladi, one chakkardar Tukda and paran one kayda with two paltas and Tihai in Teental

15. Physical Education- Section-A: Ch4- Competitions and Tournaments, Ch5- Health Education and Health Problems, Ch6- Sports Injuries and First Aid
Section-B: Cricket, Football, Hockey, 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)- 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, Short 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- Psychological Disorders and Psychotherapy, Social Thought and Social Behaviour, Attitudes, Applications of Psychology

19. Political Science-

Section-A

Ch6- Organs of Government: The Legislative, Ch7- Organs of Government: The Executive, Ch8- Organs of Government: The Judiciary

Section-B

Ch12- Local Self Govt (Panchayati Raj / Rural Local Govt & Urban Local Bodies), Ch13- Democracy in India: Perspective of Challenges Faced (Caste, Communalism, Regionalism & Political Violence and Strengthening Indian Democracy)

20. Home Science-

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

Reference Book- Saraswati Home Science