

**Class – XII**  
**DELETED SYLLABUS**  
**(For the Session of 2020-21 Only)**  
**HINDI**  
**(THEORY)**

सत्र 2020–21 हेतु पाठ्यक्रम से निम्नलिखित पाठ हटा दिए गए हैं :-

काव्य खण्ड (आरोह भाग– 2)	<ul style="list-style-type: none"><li>● सूर्यकांत त्रिपाठी निराला – बादल राग</li><li>● हरिवंशराय बच्चन – आत्म परिचय</li><li>● आलोक धन्वा – पतंग</li><li>● कुँवर नारायण – बात सीधी थी पर</li><li>● उमाशंकर जोशी – (क) छोटा मेरा खेत (ख) बगुलों के पंख</li></ul>
गद्य खण्ड (आरोह भाग– 2)	<ul style="list-style-type: none"><li>● विष्णु खरे – चार्ली चैप्लिन यानी हम सब</li><li>● हजारी प्रसाद द्विवेदी – शिरीष के फूल</li></ul>
संस्कृत प्रबोधिनी (भाग– 2)	<ul style="list-style-type: none"><li>● विद्यालस्य वार्षिकोत्सवः</li><li>● लक्ष्यैकदृष्टि</li><li>● श्रीकृष्णस्य दौत्यम्</li></ul>

**Class – XII**  
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**ENGLISH**  
**(THEORY)**

**Reading**

- Note Making & Summarizing

**Literature**

**FLAMINGO**

- |                       |                     |
|-----------------------|---------------------|
| 1. Poets and Pancakes | 1. A Roadside Stand |
| 2. The Interview      |                     |
| 3. Going Places       |                     |

**VISTAS**

1. The Tiger King
2. Journey to the end of the Earth
3. Memories of Childhood

**Writing**

- Poster Making
- Business or Official letters for making enquiries, registering complaints, asking for and giving in orders and sending replies.
- Speech

**Class – XII**  
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**Sanskrit**  
**(THEORY)**

सत्र 2020–21 हेतु पाठ्यक्रम से निम्नलिखित अध्याय हटा दिए गए हैं :-

कक्षा-12

पाठ्यपुस्तक-भास्वती

अध्याय-(1) हल्दीघाटी

(2) मदालसा

(3) प्रतीक्षा

(4) विद्यास्थाननि

**Class – XII**  
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**HISTORY**  
**(THEORY)**

**THEMES IN INDIAN HISTORY**

<b>S.No.</b>	<b>Topics</b>	<b>Theme (according to Book)</b>	<b>Deleted Portion</b>
1	Through the Eyes of Travellers	Theme – 5 Book - Part II	Complete Chapter
2	Peasants, Zamindars and the State	Theme - 8 Book - Part II	Complete Chapter
3	Colonialism and the Countryside	Theme – 10 Book - Part III	A Revolt in the Countryside – The Bombay Deccan (Unit-3), The Deccan Riots Commission (Unit-4)
4	Colonial Cities	Theme – 12 Book - Part III	Complete Chapter
5	Understanding Partition	Theme – 14 Book - Part III	Complete Chapter
`	<b>No Change in Map Work</b>		

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**GEOGRAPHY**  
**(THEORY)**

**A. Fundamentals of Human Geography**

**Unit 3: Human Activities**

- Secondary activities-concept; manufacturing: types – household, small scale, large scale; agro based and mineral based industries; people engaged in secondary activities – some examples from selected countries.

**Unit 4: Transport, Communication and Trade**

- Land transport - roads, railways; trans-continental railways.
- Water transport- inland waterways; major ocean routes.
- Air transport- Intercontinental air routes.
- Oil and gas pipelines.
- Satellite communication and cyber space.
- International trade-Bases and changing patterns; ports as gateways of international trade, role of WTO in International trade.

**Part B. India: People and Economy**

**Unit 9: Resources and Development**

- Land resources- general land use; agricultural land use, Distribution of major crops (Wheat, Rice, Tea, Coffee, Cotton, Jute, Sugar cane and Rubber), agricultural development and problems.
- Industries - types, industrial location and clustering; distribution and changing pattern of selected industries-iron and steel, cotton textiles, sugar, petrochemicals, and knowledge based industries; impact of liberalization, privatisation and globalisation on industrial location;

**Unit 10: Transport, Communication and International Trade**

- Transport and communication-roads, railways, waterways and airways: oil and gas pipelines; national electric grids; communication networkings - radio, television, satellite and internet;
- International trade- changing pattern of India's foreign trade; sea ports and their hinterland and airports,



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**ECONOMICS**  
**(THEORY)**

**Part A : Introductory Microeconomics**

**Unit 1: Introduction**

Concepts of production possibility frontier

**Unit 3: Producer Behaviour and Supply**

Producer's equilibrium-meaning and its conditions-under (a) total revenue-total cost approach and (b) marginal revenue-marginal cost approach.

**Unit 4: Forms of Market and Price Determination**

Non - Competitive Markets - monopoly, monopolistic competition, oligopoly - their meanings and features.

**Part B : Introductory Macroeconomics**

**Unit 10: Balance of Payments**

Balance of payments deficit-meaning.

Determination of exchange rate in a free market.







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**HOME SCIENCE**  
**(THEORY)**

**Unit I: Know Little Children (0-3 years)**

**Some specific characteristics:** Emotional developments; recognition of people around; socialization, expression of emotions; cognitive development; learning through concrete operations and language development.

**Special needs of disadvantaged and disabled children: socially disadvantaged, physically handicapped (affected/missing limb)**

**Unit II : Nutrition for Self and Family**

**Ways to ensure good health for the family:** fats and oils, sugar, jaggery, honey, spices and condiments.

**Unit III : Money Management and Consumer Education**

**Family Income:** Supplementing family income-need & ways.

**Savings and Investment:** Basis for selection of method of investment risk, security, profit, tax saving.

**Consumer Protection and Education:** Consumer redressal forum.

**Unit IV: My Apparel**

**Clothing and its relation to personality:** Elements of line, colour, texture.

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**POLITICAL SCIENCE**  
**(THEORY)**

<b>Book I : Contemporary World Politics</b>	
<b>UNIT</b>	<b>TOPICS</b>
7	Security in the Contemporary World (Completely Deleted)
8	Environment and Natural Resources (Completely Deleted)
<b>Book II : Politics in India since Independence</b>	
12	Planned Development <b>These topics are deleted from this unit:</b> Planning Commission and Five-year Plans
13	India's External Relations (Completely Deleted)
16	Regional Aspirations (Completely Deleted)
17	Rise of New Social Movements (Completely Deleted)

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**PSYCHOLOGY**  
**(THEORY)**

**Psychology, Self and Society**

**Unit V : Therapeutic Approaches**

Types of therapies: Psychodynamic

**Unit VI : Attitude and Social Cognition**

Social cognition; Schemas and stereotypes; Impression formation.

**Unit VII : Social Influence and Group Processes**

Nature of Conformity, Obedience, and Compliance: Cooperation and Competition; Social identity; Inter-Group Conflict; Conflict Resolution Strategies.

**Unit VIII: Environmental and Social Concerns**

*This unit focuses on the application of psychological understanding to some important social issues. Human- environment relationship; Environmental effects on human behaviour. Noise, pollution, crowding, natural disasters, social issue: Aggression and Violence; Social Inequality and Poverty; Media and human values; Promoting pro-environmental behaviour, Human rights and citizenship; Peace.*

**Unit IX: Professional Skills for a Psychologist**

*This unit deals with some effective psychological and interpersonal skills for facilitating personal-social development.*

Psychological skills: Observation, Interviewing, Testing, Counseling and Communication.



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**SOCIOLOGY**  
**(THEORY)**

**A : INDIAN SOCIETY**

**Unit 4: Market As A Social Institution**

- Market as a Social Institution

**B : CHANGE AND DEVELOPMENT IN INDIA**

**Unit 10 : The Story Of Democracy**

- The Constitution as an instrument of Social Change
- Parties, Pressure Groups and Democratic Politics
- Panchayati Raj and the Challenges of Social Transformation

**Unit 13: Globalisation And Social Change**

**Unit 14: Mass Media And Communication Process**

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**MATHEMATICS**  
**(THEORY)**

**UNIT I. RELATIONS AND FUNCTIONS**

1. **Relations and Functions :**  
Composite functions, inverse of a function.
2. **Inverse Trigonometric Functions:**  
Graphs of inverse trigonometric functions. Elementary properties of inverse trigonometric functions.

**UNIT-II: ALGEBRA**

1. **Matrices:**  
Existence of non-zero matrices whose product is the zero matrix. Concept of elementary row and column operations. Proof of the uniqueness of inverse, if it exists.
2. **Determinants:**  
Properties of determinants, Consistency, inconsistency and number of solutions of system of linear equations by examples

**UNIT-III: CALCULUS**

1. **Continuity and Differentiability:**  
Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretations.
2. **Applications of Derivatives:**  
Rate of change, approximation
3. **Integrals:**  
Definite integrals as a limit of a sum
4. **Applications of the Integrals:**  
Area between the two above said curves
5. **Differential Equations:**  
Formation of differential equation whose general solution is given.

**UNIT-IV: VECTORS AND THREE-DIMENSIONAL GEOMETRY**

1. **Three - dimensional Geometry:**  
Angle between (i) two lines, (ii) two planes. (iii) a line and a plane.

## **UNIT-V: LINEAR PROGRAMMING**

- 1. Linear Programming:** Mathematical formulation of L.P. problems,

## **UNIT-VI: PROBABILITY**

- 1. Probability:**  
Mean and variance of haphazard variable. Binomial distribution.



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**PHYSICS**  
**(THEORY)**

**Unit I : Electrostatics**

Uniformly charged thin spherical shell (field inside and outside)

**Unit II : Current Electricity**

Carbon resistors, colour, code for carbon resistors; series and parallel combinations of resistors.

**Unit III : Magnetic Effects of Current and Magnetism**

Cyclotron, Magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis. Torque on a magnetic dipole (bar magnet) in a uniform magnetic field; Para-, Dia- and ferro – magnetic substances with examples. Electromagnets and factors affecting their strengths. Permanent magnets.

**Unit IV : Electromagnetic Induction And Alternating Currents**

Power in AC circuits, Wattless Current.

**Unit V : Electromagnetic waves**

Displacement Current.

**Unit VI : Optics**

Reflection of light, spherical mirrors, mirror formula.

Scattering of light – blue colour of the sky and reddish appearance of the sun at sunrise and sunset.

Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.

Polarisation, plane polarised light; Brewster's law, uses of plane polarised light and Polaroids.

**Unit VII : Dual Nature of Matter and Radiation**

Davisson-Germer experiment.

**Unit VIII : Atoms and Nuclei**

Radioactivity alpha, beta and gamma particles/rays and their properties; radioactive decay law.

**Unit IX : Electronic Devices**

Zener diode; Zener diode as a voltage regulator.

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**CHEMISTRY**  
**(THEORY)**

**Unit I: Solid State**

Electrical and magnetic properties.

**Unit II: Solutions**

Abnormal molecular mass.

**Unit III: Electrochemistry**

Laws of electrolysis (elementary idea), dry cell – electrolytic cells and Galvanic cells; lead accumulator, fuel cells; corrosion.

**Unit IV: Chemical Kinetics**

Concept of collision theory (elementary idea, no mathematical treatment)

**Unit V: Surface Chemistry**

Catalysis : homogenous and heterogeneous, activity and selectivity: enzyme catalysis; emulsion – types of emulsions.

**Unit VI: General Principles and Processes of Isolation of Elements**

Principles and methods of extraction - concentration, oxidation, reduction electrolytic method and refining; occurrence and principles of extraction of aluminium, copper, zinc and iron.

**Unit VII: p-Block Elements**

**Group 15 elements:** Oxides of nitrogen (structure only); Phosphorous-allotropic forms; compounds of phosphorous: preparation and properties of phosphine, halides ( $\text{PCl}_3$ ,  $\text{PCl}_5$ ) and oxoacids (elementary idea only)

**Group 16 elements:** sulphuric acid: industrial process of manufacture, properties and uses, oxoacids of sulphur (structures only).

**Unit VIII: d and f Block Elements**

Preparation and properties of  $\text{K}_2\text{Cr}_2\text{O}_7$  and  $\text{KMnO}_4$ .

**Lanthanoids** - Chemical reactivity

**Actinoids** - Electronic configuration, oxidation states.

**Unit IX: Coordination Compounds**

Importance of coordination compounds (in qualitative analysis, extraction of metals and biological systems).

**Unit X: Haloalkanes and Haloarenes.**

Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.

## **Unit XI: Alcohols, Phenols and Ethers**

**Alcohols:** Uses of methanol and ethanol.

## **Unit XIII: Organic compounds containing Nitrogen**

**Diazonium salts:** Preparation, chemical reactions and importance in synthetic organic chemistry.

## **Unit XIV: Biomolecules**

**Carbohydrates** - Oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); importance.

**Proteins** - Enzymes.

**Vitamins** - Classification and functions.

## **Unit XV: Polymers**

Classification - natural and synthetic, methods of polymerization (addition and condensation), copolymerization. Some important polymers: natural and synthetic like polythene, nylon, polyesters, bakelite, rubber.

## **Unit XVI: Chemistry in Everyday life:**

1. **Chemicals in medicines** - analgesics, tranquilizers, antiseptics, disinfectants, antimicrobials, antifertility drugs, antibiotics, antacids, antihistamines.
2. **Chemicals in food** - preservatives, artificial sweetening agents.
3. **Cleansing agents** - soaps and detergents, cleansing action.







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**BIOLOGY**  
**(THEORY)**

**UNIT-I**

**I REPRODUCTION**

**Reproduction in organisms :** Asexual and sexual reproduction.

**UNIT-II**

**II GENETICS AND EVOLUTION**

Evolution: Origin of life, theories and evidences, adaptive radiation, mechanism of Evolution, origin and evolution of man.

**UNIT-III**

**III BIOLOGY AND HUMAN WELFARE**

Plant breeding, tissue culture, single cell protein, food production, animal husbandry.

**UNIT-V**

**IV ECOLOGY & ENVIRONME**

Ecosystems : components, types, energy flow, nutrient cycling and ecosystem services.

Environmental issues.

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**BUSINESS STUDIES**  
**(THEORY)**

**Part A: Principles and Functions of Management**

**Unit 3: Business Environment**

- Economic Environment in India; Impact of Government policy changes on business and industry, with special reference to adoption of the policies of liberalization, privatization and globalisation

**Unit 4: Planning**

- Types of Plans - Objectives, Strategy, Policy, Procedure, Method, Rule, Budget, Programme.

**Unit 5: Organising**

- Formal and informal organization.

**Unit 6: Staffing**

- Staffing as a part of Human Resource Management

**Unit 7: Directing**

- Elements of Directing
  - Communication - Barriers to effective communication.

**Unit 8: Controlling**

- Relationship between planning and controlling

**Part B : Business Finance and Marketing**

**Unit 11: Marketing Management**

- Marketing mix - elements
  - Physical distribution: Elements; Channels of distribution : types, function, choice of channels

**Unit 12: Consumer Protection**

- Importance of consumer protection
- Ways and means of consumer protection - Consumer awareness
- Role of consumer organizations and NGOs.







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**AGRICULTURE FOR F<sub>2</sub>**  
**(THEORY)**

**केवल कृषि वर्ग भाग – 2**  
**(विषय कोड – 139)**  
**षष्ठम प्रश्न-पत्र**

**शस्य विज्ञान (सिंचाई, जल निकास एवं शाक तथा फल संवर्धन)**

सिंचाई तथा जल निकास— सिंचाई जल के अपव्यय की रोकथाम, सिंचाई जल के गुण और उनके प्रभाव ।

सिंचाई की प्रणालियां एवं विधियां— भराव, सिंचाई, उठाव सिंचाई एवं पट्टी सिंचाई (वार्डर विधि)

सिंचाई जल की माप— मीटर माप की प्रणाली ।

जल निकास की आवश्यकता— मिट्टी में अति नमी से हानियां, (क्षारीय एवं प्रक्षेत्र फार्म)

दैवी आपदायें— अतिवृष्टि, अनावृष्टि, उपलवृष्टि

शाक तथा फल संवर्धन—

- (क) गांठ गोभी ।
  - (ग) करेला, खरबूजा, तुरई ।
  - (घ) शकरकन्द ।
  - (ज) भिण्डी ।
  - (झ) बेर, नींबू, आड़ू ।
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केवल कृषि वर्ग भाग – 2

(विषय कोड – 140)

(कृषि-अर्थशास्त्र)

सप्तम् प्रश्न-पत्र

- (क) प्रारम्भिक अर्थशास्त्र— अन्य विज्ञानों से सम्बन्ध
- (1) उत्पादन के उपादान, प्रतिफल नियम, प्रदेश के प्रमुख उत्पादन आंकड़े—  
श्रम— श्रम का संयोजन, श्रम की दक्षता, गतिशीलता।  
संगठन— प्रबन्ध और उत्तम कृषि उत्पादन के उपादानों का संयोजन।
- (2) विनिमय— मूल्य का सिद्धान्त, द्रव्य, अन्तर्राष्ट्रीय व्यापार के सिद्धान्त।
- (3) वितरण— मजदूरी, ब्याज और लाभ।
- (4) उपभोग— आवश्यकतायें,, मूल्य सापेक्षता और जीवन स्तर।
- (ख) एक धंधी बनाम बहुधंधी सहकारी समितियां, भूमि विकास बैंक।
- (ग) विभिन्न सामुदायिक संस्थाओं के कार्य, ग्राम शिक्षा।
- (घ) प्रदेश में कृषि उत्पादन के प्रमुख आंकड़े।
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केवल कृषि वर्ग भाग – 2

(विषय कोड – 141)

(कृषि-जन्तु विज्ञान)

अष्टम् प्रश्न-पत्र

- 1— (अ) जीव द्रव्य का रासायनिक संगठन, भौतिक गुण एवं जैविक गुण।  
(ब) पैरामीशियम
  - 2— निम्नलिखित के बाह्य आकार, स्वभाव तथा जीवन-वृत्त का अध्ययन—  
(क) गोलाकृमि, तिलचट्टा, दीमक।
  - 3— निम्नलिखित की आन्तरिक संरचना—  
तिलचट्टा।
  - 4— (क) फुफ्फुस, वृक्क।  
(ख) श्वसन।
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केवल कृषि वर्ग भाग – 2  
(विषय कोड – 142)  
(पशुपालन एवं पशु चिकित्सा विज्ञान)  
नवम् प्रश्न-पत्र

बैल और सांडी के लक्षण और उनका गुणांकन-पत्र विधि से चयन ।

मुर्गियों की देख-रेख और प्रबन्ध सम्बन्धी सामान्य सिद्धान्त ।

विभिन्न प्रकार के चारों और दानों को वर्ष भर सस्ती उपलब्धि पर सामान्य विचार ।

दूध से बनने वाले पदार्थों जैसे आइसक्रीम की सामान्य जानकारी । आपरेशन प्लड की संक्षिप्त जानकारी ।

पशु चिकित्सा व्यवहार में प्रमुख साधारण औषधियों और उनकी प्रयोग विधि ।

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## केवल कृषि वर्ग भाग – 2

(विषय कोड – 143)

(कृषि रसायन)

दशम् प्रश्न-पत्र

### भौतिक रसायन-

- (5) परमाणु की रचना एवं रेडियोसैक्टिविटी।
- (6) एवोग्रेडो की परिकल्पना और उसके उपयोग।
- (8) आक्सीकरण एवं अपचयन।

### अकार्बनिक रसायन

#### [1] तत्वों का आवर्ती वर्गीकरण-

अध्ययन- गंधक, सल्फर डाई आक्साइड, सल्फ्यूरिक अम्ल, क्लोरीन, हाइड्रोक्लोरिक अम्ल।

### कार्बनिक रसायन-

एसिटेल्डीहाइड, एसीटोन।

अमीन तथा अमाइड-मेथिल तथा एथिल अमीन, यूरिया।

व्यूटिरिक, लैक्टिक तथा इंधु शंकरा स्टार्च।

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**Urdu (Sub. Code 106)**  
**(THEORY)**

**Section – A**

**Writing Skills : Advertisements**

- 1- Letter writing : Personal and Business.
- 2- Sentence making with the help of idiomatic phrases.

**Section – B**

Book I : Jangal Ki Ek Raat By Rehan Ahmad Abbasi.

- (i) Zebra.
- (ii) Haryal.
- (iii) Jungli Murgh.
- (iv) Hud-Hud.
- (v) Reecheh.

Book II : Heroine Ki Talash By Prof. M. Mujeeb.  
Features of Mohammad Mujeeb's Drama.



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**Computer Science**  
**(THEORY)**

**UNIT 1 : PROGRAMMING IN C++**

Declaration and Initialization of Pointers; Dynamic memory allocation/deallocation operators: **new,delete**; Pointers and Arrays: Array of Pointers, Pointer to an array (1 dimensional array), Function returning a pointer, Reference variables and use of alias; Function call by reference. Pointer to structures: Deference operator: \*, ->; self referencial structures;

**UNIT 2: DATA STRUCTURES**

**Queue: (Circular Array and Linked Implementation):**

Operations on Queue (Insert and Delete) and its Implementation in C++.

**UNIT 3: DATABASES AND SQL**

**Database Concepts:**

Relational algebra: Selection, Projection, Union and Cartesian product;

**UNIT 4: BOOLEAN ALGEBRA**

Obtaining Sum of Product (SOP) and Product of Sum (POS) form from the Truth Table, Reducing Boolean Expression (SOP and POS) to its minimal form.

**UNIT 5: COMMUNICATION AND OPEN SOURCE CONCEPTS**

**Web Servers;**

Hyper Text Markup Lanuage (HTML), extensible Markup Language (XML); Hyper Text Transfer Protocol (HTTP); Domain Names; URL; Protocol Address; Website, Web browser, Web Servers; Web Hosting, WEb Scripting – Client side (VB script, Java Script, PHP) and Server side (ASP, JSP, PHP)

**Open Source Terminologies:**

Open Source Software, Freeware, Shareware, Proprietary software, FLOSS, GNU, FSF, OSI;

**Class – XII**  
**DELETED SYLLABUS**  
**(For the Session of 2020-21 Only)**  
**Education**  
**(THEORY)**

**खण्ड 'अ' (शिक्षा के सिद्धान्त)**

**इकाई— 1 शैक्षिक विचारधारा का विकास**

(अ) आधुनिक भारतीय शिक्षा—ब्रिटिश कालीन शिक्षा स्वातंत्रयोत्तर भारतीय शिक्षा

(ब) पुनरीक्षित 1992

**इकाई— 4 शिक्षा की समस्याएँ**

(अ) शैक्षिक प्रसार – समस्याएँ व समाधान (दूरस्थ शिक्षा)

(स) सामाजिक शिक्षा

**खण्ड 'ब'**

**इकाई— 5 प्रेरणा एवं मूल प्रवृत्तियाँ**

(ब) मूल प्रवृत्तियाँ – अर्थ, शैक्षिक महत्व, मूल प्रवृत्तियों का शोधन

**इकाई— 6 मानसिक स्वास्थ्य एवं मानसिक स्वास्थ्य विज्ञान**

(ब) मानसिक अस्वस्थता – अर्थ, कारण, हानिकारक प्रभाव तथा निवारण

**इकाई— 7 परीक्षण एवं निरीक्षण**

(ब) उपलब्धि परीक्षण

**इकाई— 8 निर्देशन**

(ब) अपराधी एवं मंदबुद्धि बालकों के व्यवहार की समस्याएँ और उचित मार्गदर्शन

**Class – XII**  
**DELETED SYLLABUS**  
**(For the Session of 2020-21 Only)**  
**Military Science**  
**(THEORY)**

**UNIT 4** प्रतिरक्षा की द्वितीय पंक्ति

16– प्रादेशिक सेना (Territorial Army)

17– सहायक सेनांग (प्रशासनिक) इंजीनियरिंग सिग्नल कोर, मेडिकल कोर

**UNIT 5** वायुसेना

22– वायुसेना के प्रशिक्षण संस्थान

**UNIT 10** भारत का प्रथम स्वतंत्रता संग्राम (1857 ई०)

31– असफलता के कारण व शिक्षाएँ

**Class – XII**  
**DELETED SYLLABUS**  
**(For the Session of 2020-21 Only)**  
**Geology**  
**(THEORY)**

**UNIT - III - जीवाश्म विज्ञान**

- 2- गैस्ट्रोपोडा : परिचय, उदाहरण तथा उनका सचित्र वर्णन।  
3- लैमीलीब्रेकिया: परिचय, उदाहरण तथा उनका सचित्र वर्णन।

**UNIT - IV - स्तरीय विज्ञान**

- 2- गोण्डवाना शैल समूह – परिचय, वर्गीकरण, आयु तथा उनमें पाए जाने वाले मुख्य खनिज तथा शैल

**UNIT - V - आर्थिक भूगर्भ विज्ञान**

- 3- अयस्क :
- |                   |   |   |
|-------------------|---|---|
| अ- बाक्साइट       | – | भौतिक गुण, रसायनिक गुण उनके वितरण तथा उपयोग |
| ब- चालकोपाइराइट – | – | “ “ “ “                                     |
| स- जिप्सम –       | – | “ “ “ “                                     |
| य- हेमेटाइट –     | – | “ “ “ “                                     |
| र- मैग्नेटाइट –   | – | “ “ “ “                                     |

**UNIT - VI**

1. उत्तराखण्ड की प्रमुख भू आपदाओं का संक्षिप्त परिचय।
2. भू-स्खलन – उनके प्रमुख प्रकार तथा उत्तराखण्ड में भू-स्खलनों की स्थिति।
3. उत्तराखण्ड में भूकम्पों का संक्षिप्त इतिहास तथा भूकम्प की दृष्टि से प्रदेश के प्रमुख संवेदनशील क्षेत्र।
4. अतिवृष्टि तथा अचानक बाढ़ उत्तराखण्ड के परिपेक्ष में।

**Class – XII**  
**DELETED SYLLABUS**  
**(For the Session of 2020-21 Only)**  
**Bengali**  
**(THEORY)**

**Section A: Grammar**

- 1. Phonology(Definition with two examples)**
  - (i) Samibhaban
  - (ii) Swarabhakti
- 2. Rhetoric (Definition with five Identification)**
  - (i) Shamashakti

**Section D: Literature**

**Lessons to be studied:**

- 1. PROSE**
  - 1.Biral
- 2. Uccha Madhyamic Path Sanchayan( Poetry & Drama) Edition 2005**

**Poems to be studied:**

- (i) Attya Bilap

**Class – XII**  
**DELETED SYLLABUS**  
**(For the Session of 2020-21 Only)**  
**Accountancy**  
**(THEORY)**

**Part A:**

**Accounting for Not-For-Profit Organisations, Partnership Firms and Companies.**

**Unit 1: Accounting for Not-for-profit Organisations**

- Meaning and features of fundbased accounting.
- Balance Sheet from
- Receipt and Payment Account with additional information.

**Unit 2: Accounting for Partnership firms**

- Including past adjustments.

**Unit 3: Reconstitution of Partnership**

- Goodwill: Capitalisation methods.
- *Admission of a Partner:* Adjustment of Capitals.
- *Death of a Partner:* Adjustment of Capitals.

**Unit 4: Accounting for Share Capital and Debenture**

- Accounting for share capital: Preference; calls in advance. Meaning of Private placement of shares and employee stock option plan.
- Presentation of Share Capital in company's Balance Sheet.
- Issue of debentures as collateral security
- Redemption of debentures; sources : out of profits - debenture redemption reserve; out of capital-methods : lump sum payment, draw by lots, purchase in the open market and conversion (excluding cum-interest and ex-interest).

**Part B: Financial Statement Analysis**

**Unit 5: Analysis of Financial Statements**

- Tools for Financial Statement Analysis: Comparative Statements, Common Size Statements,  
*Solvency Ratios:* Total Assets to Debt  
*Activity Ratios:* Working Capital Turnover, Fixed Assets Turnover,  
*Profitability Ratio:* Earning Per Share, Dividend per Share, Price Earning Ratio

**OR**

**Part C: Computerised Accounting**

**Unit 5: Overview of Computerized Accounting System**

- Structure of a Computerised Accounting System

**Unit 6: Accounting using Database Management System (DBMS)**

- employees' profile, petty cash register.

**Unit 7: Accounting Applications of Electronic Spreadsheet**

- Preparing depreciation schedule, loan repayment schedule, payroll accounting and other such applications.

**Class – XII**  
**DELETED SYLLABUS**  
**(For the Session of 2020-21 Only)**  
**Punjabi**  
**(THEORY)**

पुस्तक का नाम – कथा कहानी

1. इत भखासे
2. तिड़किया होया शीशा
3. कार खिडोणा
4. दुध दीआं नहिरां

पुस्तक का नाम – काव्य कीरती

1. प्रीतम सिंह सफीर की सभी कविताएँ।
2. बाबा बलवंत की सभी कविताएँ।
3. शिव कुमार बटावली की सभी कविताएँ।
4. म0स0 मीशा सफीर की सभी कविताएँ।



**Class – XII**  
**DELETED SYLLABUS**  
**(For the Session of 2020-21 Only)**  
**Agriculture Hindi**  
**(THEORY)**

सत्र 2020–21 हेतु पाठ्यक्रम से निम्नलिखित पाठ हटा दिए गए हैं :-

काव्य खण्ड (आरोह भाग– 1)	<ul style="list-style-type: none"> <li>● त्रिलोचन – चंपा काले काले अच्छर नहीं चीन्हती</li> <li>● अक्क महादेवी – (क) हे भूख! मत मचल, (ख) हे मेरे जूही के फूल जैसे ईश्वर</li> </ul>
काव्य खण्ड (आरोह भाग– 2)	<ul style="list-style-type: none"> <li>● अवतार सिंह पाश–सबसे खतरनाक</li> <li>● सूर्यकांत त्रिपाठी निराला – बादल राग</li> <li>● हरिवंशराय बच्चन – आत्म परिचय</li> <li>● आलोक धन्वा – पतंग</li> <li>● कुँवर नारायण – बात सीधी थी पर</li> <li>● उमाशंकर जोशी – (क) छोटा मेरा खेत (ख) बगुलों के पंख</li> </ul>
गद्य खण्ड (आरोह भाग– 1)	<ul style="list-style-type: none"> <li>● सत्यजित राय – अपू के साथ ढाई साल</li> <li>● सैयद हैदर रजा – आत्मा का ताप</li> <li>● राम नरेश त्रिपाठी – पथिक</li> <li>● बालमुकुंद गुप्त – विदाई संभाषण</li> </ul>
गद्य खण्ड (आरोह भाग– 2)	<ul style="list-style-type: none"> <li>● मन्नू भंडारी – रजनी</li> <li>● विष्णु खरे – चार्ली चैप्लिन यानी हम सब</li> <li>● हजारी प्रसाद द्विवेदी – शिरीष के फूल</li> </ul>
संस्कृत प्रबोधिनी (भाग– 1)	<ul style="list-style-type: none"> <li>● प्रश्नोत्तर–विनोदः</li> <li>● प्राणेभ्यः संस्कृतिः श्रेष्ठा</li> <li>● वणिगवैद्ययोः वार्तालापः</li> </ul>
संस्कृत प्रबोधिनी (भाग– 2)	<ul style="list-style-type: none"> <li>● विद्यालस्य वार्षिकोत्सवः</li> <li>● लक्ष्यैकदृष्टि</li> <li>● श्रीकृष्णस्य दौत्यम्</li> </ul>