

Syllabus for the first term Examination, Class XI (2015-16)

Subject	Syllabus							
Biology	Unit 1 Diversity in the living world Unit 2 Structural organization in plants and animals Unit 3 Cell ; Structure and function Practical Syllabus Classification of plants and animals Modifications of root stem and leaf Plant and Animal tissues Anatomy of monocot and dicot stem and root Flower description of Solanaceae and Liliaceae							
Chemistry	Blue Print (2015-2016) Chemistry Class XI First Term Exam							
	S.No	Chapters	Marks Distribution					Total
			1 Mark	2 Marks	3 Mark	4 Marks	5 Marks	
	1	Basic Concepts of Chemistry	1	1	1	-	1	11
	2	Structure of Atom	1	1	2	-	1	14
	3	Classification of Elements	1	1	3	-		12
	4	Chemical Bonding	-	1	3	-	1	16
	5	s-block elements	1	-	3	-	-	10
	6	Environmental Chemistry	1	1	-	1	-	7

Physics	NAME OF THE UNIT	WEIGHTAGE	
	Physical World & Measurement	10	
	Kinematics	25	
	Las of Motion	20	
	Work, Energy & Power	15	
	TOTAL	70	
Maths	Sets, Linear Inequalities, Linear Programming, Principle of Mathematical Induction, Relations and Functions, Trigonometry, Permutations and Combinations.		
English	<p>READING Comprehension Passage Note Making</p> <p>WRITING Notice Letter to Editor Article, Speech and Debate</p> <p>GRAMMAR Integrated Grammar Exercises</p> <p>LITERATURE The Portrait of a Lady The Summer of the Beautiful White Horse We are Not Afraid to Die..... A Photograph Discovering Tut The Address Einstein at School The Ailing Planet Childhood Canterville Ghost- Chapters 1-4</p>		
Python	<p><u>Unit 1 Computer Overview.</u> Ch-1 Computer and its functions Ch-2 Evolution of Computers Ch-3 Generations of Computers Ch-4 Input-Output Devices</p> <p><u>Unit-2 Data Representation</u> Ch-1 Number System and all types of conversions Ch-2 Binary Representation of integers</p> <p><u>Unit-3 Programming Methodology and Python Programming.</u> Ch-1 Flowcharts and Algorithm Ch-2 Simple Programming Statements Ch-3 Flow of Control Ch-4 If-else,do-while,For loop Ch-5 Built in functions done in class</p>		
C++	Ch 1. Computer Overview		

	<p>Ch 2. Working with Operating System</p> <p>Ch 3. Data Representation</p> <p>Ch 4. Microprocessor Basics: Input-Output and Memory Device</p> <p>Ch 5. Getting started with C++</p> <p>Ch 6. Data Handling</p> <p>Ch 7. Operators and Expressions in C++</p> <p>Ch 8. Flow of Control</p>
Economics	INDIAN ECONOMICS (50 Marks)
	Indian economy on the eve of independence
	Indian economy (1950 - 1990) - Development experience
	Economic reforms since 1991
	Inflation
	STATISTICS (40 Marks)
	Collection and organization of data
	Presentation of data
	Index Numbers
	Measures of Central Tendency-Mean and Median
Bio-Technology	<p>Unit I: BIOTECHNOLOGY AN OVERVIEW Page No. 1-9 and 12</p> <p>Unit II: MOLECULES OF LIFE Chapter I : Biomolecules: Building Blocks Page No. 15-20 and 22-23 Chapter II: Macromolecules: Structure and Function Page No. 34-40 excluding Lipids and Page No. 41-44</p> <p>Unit III: TECHNIQUES From Handouts and class notes</p>
Psychology	<p>Chapter 1 : What is Psychology</p> <p>Chapter 2 : Methods of Enquiry in Psychology</p> <p>Chapter 3 : The Bases of Human Behaviour</p> <p>Chapter 4 : Human Development</p>

<p>Fine Arts</p>	<p>Unit 1: The Rajasthani and Pahari Schools of Miniature Painting(16th Century A.D. to 19th Century A.D.) A brief introduction to Indian Miniature Schools: Western-Indian, Pala, Rajasthani, Mughal, Central India, Deccan and Pahari (A) The Rajasthani School: (1) Origin and Development (2) Sub-Schools-Mewar, Bundi, Jodhpur, Bikaner, Kishangarh and Jaipur (3) Main features of the Rajasthani School (4) Study of the Rajasthani Paintings (B) The Pahari School: (1) Origin and development (2) Sub-Schools-Basohli, Guler, Kangra, Chamba and Garhwal (3) Main features of Pahari School (4) Study of the Pahari Paintings.</p> <p>Unit -2: The Mughal and Deccan Schools of Miniature Painting (16th Century AD to 19th Century A.D.) (A) The Mughal School (1) Origin and development (2) Main features of the Mughal School (3) Study of the Mughal Paintings (B) The Deccan School (1) Origin and development (2) Main features of the Deccan School (3) Study of the Deccan Paintings</p>
<p>Accountancy</p>	<p>Unit 1: Introduction to Accounting</p> <ul style="list-style-type: none"> ▪ Introduction to Accounting ▪ Basic accounting terms <p>Unit 2: Theory Base of Accounting</p> <ul style="list-style-type: none"> ▪ Fundamental accounting assumptions and principles ▪ Bases of accounting <p>Unit 3: Recording of Transactions</p> <ul style="list-style-type: none"> ▪ Accounting equation ▪ Rules of debit and credit ▪ Origin of transactions ▪ Books of original entry: - Journal. ▪ Cash book ▪ Other subsidiary books <p>Unit 4: Preparation of Ledger, Trial Balance and BRS</p> <ul style="list-style-type: none"> ▪ Ledger ▪ Trial balance ▪ Bank reconciliation statement

Business Studies

Topic: Unit 1: Nature and Purpose of Business

- Concept and characteristics of business
- Business, profession and employment - distinctive features
- Objectives of business - economic and social, role of profit in business
- Classification of business activities: Industry and Commerce
- Industry - types: primary, secondary, tertiary
- Commerce - trade: types (internal, external, wholesale and retail; and auxiliaries to trade:
- Banking, insurance, transportation, warehousing, communication, and advertising.
- Business risks - nature and causes

Unit 2: Forms of Business Organizations

- Sole Proprietorship- meaning, features, merits and limitations.
- Partnership- Features, types, merits and limitations of partnership and partners, registration of a partnership firm, partnership deed. Type of partners.
- Hindu Undivided Family Business: features.
- Cooperative Societies- features, types, merits and limitations.
- Company: private and public company -features, merits and limitations.
- Formation of company- stages.
- Starting a business - basic factors

Unit 3: Private, Public & Global Enterprises

- Private sector and public sector enterprises.
- Forms of public sector enterprises: features, merits and limitations of departmental undertakings, statutory corporation and Government Company.
- Changing role of public sector enterprises.
- Global enterprises, Joint ventures, Public Private Partnership - features

Unit 7: Sources of Business Finance

- Concept of business finance.
- Owner's funds - equity shares, preference shares, GDR, ADR & IDR and retained earnings.
- Borrowed funds- debentures and bonds, loan from financial institutions, loans from commercial banks, public deposits, trade credit, ICD (inter corporate deposits).
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Unit 4: Business Services

- Banking: types of bank accounts- savings, current, recurring, fixed deposit and multiple option deposit accounts.
- Banking services with particular reference to issue of bank draft, banker's cheque (Pay order), RTGS (Real Time Gross Settlement) NEFT (National Electronic Funds Transfer), bank overdraft, cash credits and e- banking.
- Postal and telecom services: mail (UPC, registered post, parcel, speed post and courier) and other services.

<p>Entrepreneurship</p>	<p>Unit 1: Entrepreneurship - What, Why and How</p> <ul style="list-style-type: none"> • Entrepreneurship - What, Why and How • Entrepreneurship – Concept, Functions, Need and Importance • Myths about Entrepreneurship • Pros and Cons of Entrepreneurship • Process of Entrepreneurship <p>Unit 2: An Entrepreneur</p> <ul style="list-style-type: none"> • An Entrepreneur • Types of Entrepreneurs • Competencies and characteristics: Ethical Entrepreneurship • Entrepreneurial Value” Values, Attitudes and Motivation • Mindset of an employee and an entrepreneur difference • Intrapreneur: Importance in any organization <p>Unit 3: Entrepreneurship Journey</p> <ul style="list-style-type: none"> • Entrepreneurship Journey • Self Assessment of Qualities, Skills, Resources and Dreams. • Generation of Ideas. • Feasibility Study • Opportunity Assessment • Business Plan Preparation • Execution of Business Plan • Role of Society and Family in the growth of an entrepreneur. • Challenges faced by women in Entrepreneurship. <p>Unit 4: Entrepreneurship as Innovation and Problem Solving</p> <ul style="list-style-type: none"> • Entrepreneurs- as problem solvers. • Innovations and Entrepreneurial Ventures. • Social Entrepreneurship-Concept and Importance • Risk taking-Concept; types of business risks. • The role of technology/ social media in creating new forms of firms, organizations, networks and cooperative clusters. • Barriers to Entrepreneurship. • Support structure for promoting entrepreneurship (various government schemes). <p>Unit 5: Understanding the Market</p> <ul style="list-style-type: none"> • Market- Traditional and E-commerce-Concept and Role • Market Survey: Concept, Importance and • Process
<p>Home Science</p>	<p>Unit I- Concept of Home Science and its scope</p> <p>Unit II- Human Development: Life Span Approach (Part I)</p> <ul style="list-style-type: none"> - Introduction to different stages of development - Infancy (birth to 2 years) - Childhood characteristics and behavioral problems - Protection from preventable diseases - Substitute care at home and outside

	<ul style="list-style-type: none"> - Special Needs and care of disadvantaged and differently-abled children - Managing emergencies
Legal Studies	<p>Unit 2- Nature and sources of law Chapter 1- Nature and Meaning of Law Chapter 2- Classification of Law Chapter 3- Sources of Law Chapter 4- Law Reform</p> <p>Unit 3- Historical Evolution of the Indian Legal System Chapter 1- Ancient Indian Law Chapter 2- Administration of Justice in British India Chapter 3- Making of the Indian Constitution</p> <p>Unit 1- Theory and nature of Political Institutions Chapter 1- Concept of State and Nation</p>
Sociology	<ol style="list-style-type: none"> 1. Sociology and Society 2. Terms and Concepts and their Use in Sociology 3. Understanding Social Institutions 4. Culture and Socialisation 5. Doing Sociology: Research Methods <p>Practicals-Project File, Viva based on File and Research Design</p>
Political Science	<p>The Following Chapters Will Be Tested: Maps Cartoons Para.. Text To Be Read Thoroughly....</p> <p><u>Book 1 Political Theory</u> Chapt 1 Political Theory (Handouts) Chapt 2 Freedom Chapt 3 Equality Chapt 4 Social Justice Chapt 5 Rights Chapt 6 Citizenship (Relevant Parts) Chapt 7 Nationalism (Relevant Parts) Chapt 8 Secularism (Relevant Parts) Chapt 9 Peace Chapt 10 Development (Relevant Parts) Martin Luther King And Ken Saro Wiwa</p> <p><u>Book 2</u> Fundamental Rights Dpsp And Duties Chapt 2. All Handouts And Notes Q/A To Be Done.</p>
History	<p>Theme 2: Writing and City Life Theme 3: An Empire Across Three Continents Theme 4: The Central Islamic Lands Theme 6: The Three Orders</p>

Geography	<p><u>India - Physical Environment</u> Chapter 1- India- Location Chapter 2- India- Structure And Physiography Chapter 3- Drainage System Chapter 4- Climate Chapter 5- Natural Vegetation Chapter 6- Soils Chapter 7- Natural Hazards And Disasters</p> <p><u>Fundamentals Of Physical Geography</u> Chapter 2- Origin And Evolution Of The Earth Chapter 3- Interior Of The Earth Chapter 4- Distribution Of Oceans And Continents</p> <p style="text-align: center;"><u>Geography Practicals</u></p> <ol style="list-style-type: none"> 1. Contours 2. Enlargement And Reduction Of Maps
Fashion Studies	<p>Unit 1- Overview Of Fashion</p> <p>Unit 2- Introduction To Fibers, Dyeing And Printing</p>
Physical Education	<p>From the Book -Health and Physical Education (Saraswati) , the following chapters:</p> <ol style="list-style-type: none"> 1. Physical fitness, wellness and lifestyle. 2. Changing trends and career in physical education 3. Olympic movement 4. Yoga 5. Doping <p>Total marks : 70</p>