

2013 - 2014 Syllabus

Teacher : Rahul Bhadra & Bhauna

Class : XI

Subject : *Economics*

Month	Chapter	Topic & Unit	Page No.
June	Unit - 1	Understanding Economics.	
	(i)	Definition of Economics, Understanding, concept of scarcity and allocation of resources. Features of definition and two-three criticisms.	
Starts	Chap. 16	Importance of statistics in economics.	
July	Unit - 1	Continue.....	
	(ii)	Micro and Macro Economics. Meaning and differences, basic concepts utility, price, value, wealth, welfare, money market, capital, investment, income, production, consumption, saving, business cycle. Aggregated demand and supply.	
	(iii)	Basic problems of economy, what to produce, how to produce for whom to produce, efficient use of resources.	
		Chap. 17 Calculation of Data.	
		Chap. 18 Census method and sample method of collection of Basic Data.	
August	Unit 1.	Continue	
		1st Terminal Examination	
	(iv)	Types of economics, Economic system, capitalism, socialism and mixed economy, mechanism used to the basic problems faced by economy.	
Starts	Chap. 19	Organisation of Data.	
	Chap. 20	Presentation of Data.	

September **Unit 2. Indian Economic Development :-**

- (i) Introduction.
- (ii) Parameters of Development.
- (iii) Planning and economic development in India.
- (iv) Structural changes in the Indian economy after liberalization.

Starts **Chap. 21 Measures of central tendency.**
Chap. 22 Dispersion.

October **Unit 2. Continue**

- (v) Current challenges facing Indian Economy.

Starts **Chap. 23 Correlation.**

November **Unit 2. Continue.....**

- (vi) Economic growth and development.
 - (vii) Sustainable Development.
- Project Work.

2nd Terminal Examination

Month	Lesson	Title	
February	Ac Drama	Act III Sc. (iii) Sc. (iv)	
April	Essay	4. Reading for pleasure	
	Drama	Act III (V) - Act IV Sc. (i)	
	Prose	8 The lumber Room	
May	Poem	Enterprise	
	Prose	9. The Legend of sleepy Hollow	
	Essays	5. The writing of Essays	
June	Poem	7. Five Ways to kill a man	
	Drama	Act IV Sc. (ii) Act V Sc. (iii)	
	Prose	10. One Thousand Dollars.	
July	Essays	6. Unbirth days and other presents. 7. Go to the Ant	
	Poem	8. Phenomenal woman	
		9. Breaking out	
	August	Drama	Act V. Sc. 2 & 3 10. Father returning home.
	September	Essays	8. The inward light
Drama		Act V. Sc. (iv)	
Essays		9. On going on a journey.	
October	Essays	10. The rule of the road.	

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Teacher :

Class : XI

Subject : English II

Month	Lesson	Title
July	1.	The Lost Jewels
	2.	Lamb to the slaughter
	1.	The Eve of waterloo
	2.	The last Ride together
August	Much Ado..	Act I. Sc. i - ii
	Essays	1. On running after one's hat 3. The Drover's wife.
September	Poem	3. Mending wall
	Essays	1. The spirit of freedom
	Prose	4. the stolen Bacillus
October	Much Ado..	Act I - Sc. (iii) - Act II - Sc. (i)
	Prose	Old Love
November	Much Ado..	Act II Sc. (ii) (iii)
	Poetry	4. Duke at Decorum est
	Prose	6. A very old man with enormous wings.
December	Essay	3. The Ant of Conversation
	Prose	7. A Real Durwan
January	Poem	5. Do not go gentle into that good night
	Drama	Act III Sc. i - Sc. ii

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Teacher : Madhulika Singh

Class: XI

Subject : Biology

Month	Chapter	Topic & Unit	Page No.	
April	1	Taxonomy and classification		
	2	Five-kingdom classification		
	3	Kingdom Monera		
	4	Kingdom Protista		
July	15	Nutrition Humans		
	16	Respiration in Humans		
	17	Human circulatory system		
	18	Excretion		
August	19	Human Endocrine system		
	22	Biomolecules		
	23	Enzymes		
	24	Cell membranes		
September	25	Cell Theory and of the cell		
	26	Cellular Respiration		
	1st Term Examination			
	5	Kingdom Fungi		
October	6	Plant kingdom		
	7	Animal kingdom		
	8	morphology and anatomy of Different system of cockroach		
	9	Mineral Nutrition		
November	27	Cell Reproduction : Cell, Mitosis and Meiosis		
	28	Ecosystem		
	29	Pollution : Air, water and soil pollution and their control		
	20	Human Nervous system		
November	21	Locomotion		
	10	Plant Growth and Development		
	11	Seed Dormancy and Germination, Senescence and Abscission		
	12	Photomorphogenesis in Plants		
November	13	Animal Tissues		
	14	Plant Tissues		

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Teacher :

Class : XI

Subject : Physics

Month	Chapter	Topic & Unit	Page No.
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Section - A

June	1	Role of Physics
	2	Units
	3	Dimensions
	4	Vectors, scalar quantities & Elementary calculus
July	5	Dynamics
August	6	Friction
	7	Circular & Rotational Motion
	8	Gravitation

1st Term Examination

September	9	Fluids
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Section - B

October	10	Properties of matter - Temperature
October	11	Internal Energy

Section - C

November	12	Oscillations
	13	Waves

वार्षिक पाठ्यक्रम (सत्र : 2013-2014)

बारहवीं

हिन्दी (राष्ट्रभाषा)

क) कथा सुरभि ख) निर्मला ग) ज्वालामुखी के फूल

जून	कथा-सुरभि	1, 2
	निर्मला	1, 2
	ज्वालामुखी के फूल	1, 2
जुलाई	कथा-सुरभि	3, 4, 5
	निर्मला	3, 4, 5
	ज्वालामुखी के फूल	3, 4, 5
अगस्त	कथा-सुरभि	6, 7
	निर्मला	6, 7, 8
	ज्वालामुखी के फूल	6, 7
सितम्बर	कथा-सुरभि	8, 9, 10
	निर्मला	9, 10, 11, 12, 13, 14
	ज्वालामुखी के फूल	8, 9, 10, 11, 12
अक्टूबर	कथा-सुरभि	11, 12
	निर्मला	15, 16, 17, 18, 19, 20
	ज्वालामुखी के फूल	13, 14, 15, 16, 17
नवंबर	कथा-सुरभि	13
	निर्मला	22, 23, 24, 25, 26, 27
	ज्वालामुखी के फूल	18, 19, 20, 21, 22, 23

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2013 - 2014 Syllabus

Teacher: Mr. Bhawana

Class : XI

Subject : Accountancy

Sr. No.	Topics	Page No.
June	1 Introduction to Accounting	
	2 IFRS, GAAP and Basic Accounting Concept	
	3 Accounting standard : Concepts and Objectives.	
July	4 Basic Accounting terms	
	5 Bases of Accounting	
	6 Accounting Equation	
	7 Journal	
August	8 Ledger	
	9 Sub Division of Journal- Cash Book	
	10 Petty Cash Book	
	11 Sub-Division of Journal	
	12 Trial Balance	
September	13 Bank Reconciliation Statement	
	14 Depreciation	
	15 Provision and Reserve	
	16 Bad debts, provision for doubtful debt and provision for discount on debtors and creditors.	
	17 Bills of Exchange	
October	18 Capital and Revenue	
	19 Final Accounts and concepts of trading Accounts, Profit and Loss A/c and Balance Sheet.	
	20 Final Accounts (with Adjustment)	
November	21 Accounts from Incomplete Records- Single entry system.	
	22 Non-Trading Organization	
	23 Rectification of Errors	
	24 Computer in Accounting	

2013 - 2014 Syllabus

Teacher : Madhulika Singh

Class : XI

Subject : Chemistry

Month	Title of the Lesson	Page No.
June	1 Some Basic concepts of chemistry	
	2 Atomic structure	
July	2 Contd.	
	9 Study of Representative Elements	
	12 Introduction of organic chemistry	
August	3 Periodic table	
	11 Redox Reactions	
	4 Chemical Bonding	
	5 Gaseous state	
	1st term Examination	
September	10 Preparation, properties and uses of compounds of Groups 1, 2, 13, 14, 15	
	13 Isomerism	
	6 Surface chemistry	
October	7 Chemical kinetics	
	14 Types of chemical Reactions and their mechanisms	
November	15 Aliphatic and aromatic Hydrocarbons	
	8 Chemical Energetics	
	16 Application of chemicals	
	17 Environmental chemistry	
2nd Term Examination		

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Teacher : Rahul Bhadra

Class : XI

Subject : Commerce

Month	Title of the Lesson	Page No.
June	Unit 1 Nature and Purpose of Business	
	(i) Classification of human activities.	
	(ii) Definition and concept of business ; classification of business activities.	
	(iii) Business Objectives.	
July	Unit 2 Terms of Business organisation :	
	(i) Introduction to business organisation.	
	(ii) Sole trader	
	(iii) Partnership	
	(iv) corporate organisation	
	(v) Public sector undertakings.	
August	Unit 2 Continue	
	(vi) Co-operative organisations.	
	1st Term Examinations	
September	Unit 3 Social Responsibility of Business and business ethics.	
	Unit 4 Emerging modes of business.	
	Unit 5 Stock Exchange Trade	
October	Unit 6 Trade (Continue)	
	Unit 7 Foreign Trade	
November	Unit 7 Foreign Trade (Continue)	
	Unit 8 Insurance	
	Project work	

Month	Title of the Lesson	Page No.
	15 Operation on Files	
	Introduction, Files, Java Streams, Operations on Files, String Tokenizer, Stream Tokenizer, obtaining Input using Scanner class, printing in Java.	
November	16 Simple Data Structures	
	Introduction, Need for linked list, singly linked lists, Stack, Queue, Variations in Queues.	
	17 Computational Complexity	
	Introduction, what is computational Complexity, Estimating Complexity of Algorithms, Best, Average and worst case complexity	
	18 Computing and Ethics	
	Introduction, Computer Ethics, Major Ethical Issues, Hacking and Piracy, Getting Protected, Computer Crime, The Ten commandments of computer ethics, mail etiquette.	
	2nd Terminal Examination	

Month	Title of the Lesson	Page No.
September	Nested Loops, Comparison of Loops, Jump Statements	
	11 Classes in JAVA	
	Introduction, Class as Composite Type, Creating and Using Objects, Encapsulation, Visibility Modifiers scope and visibility Rules.	
	12 Functions (Methods)	
	Introduction, why function, Method Definition, Accessing function, Pass by value (call by value), call by Reference, Returning from a function, Pure and Impure functions, Function Overloading, Calling overloading functions, constructors, Type of constructors, "This" keyword, Temporary Instances, Constructor Overloading, Recursive Functions, Recursion in Java.	
October	13 Using Library Class	
	Introduction, Input/ Output, Exception Handling, Wrapper classes, Working with strings, packages in Java.	
	14 Array	
	Introduction, Need for Arrays, Type of Arrays, Searching in 1-D Array, Sorting, Arrays. Objects, Advantages and Disadvantages of Arrays, Solution of Simultaneous Linear Equations.	

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Teacher :

Class : XI

Subject : Mathematics

Month	Title of the Lesson	Page No.
June	Measurement of angles, Arc length and Area of a sector of a circle. Trigonometrical Ratios. Compound Angles. Vectors. Cartesian system of co-ordinate.	
July	Trigonometrical Ratios of multiple angles. Conditional Identities of Trigonometrical Ratio. Complex number. Quadratic equations. Equations of st. lines. The circle.	
August	Statistical Data Measures of central tendency : Mean, median and mode. 1st Term Examination	
September	Finite and infinite sequences : A.P, G.P and H.P. Partial fractions. Permutation and combination. Mathematical Induction and Binomial theorem.	
October	Trigonometrical equations. Relations and functions, Limit and continuity.	
November	Differentiation. Applications of Derivatives Indefinite Integrals. Co-ordinate geometry in 3-D. Range, Interquartile range and standard deviation. 2nd Term Examination	

2013 - 2014 Syllabus

Teacher: Ashraf Jahan

Class : XI

Subject : Computer Science

Month	Title of the Lesson	Page No.
June	1 Data Representation : Introduction, Digital Number system, Number Conversions, Binary Representation of Integers, Binary Representation of Real Numbers, Binary Arithmetic, Adding & Subtracting Octal Numbers, Adding and Subtracting Hexadecimal Numbers, Representing Characters in Memory, Data Transfer and Parity Checking, ISCII, UNICODE	
	2 Computer Structure : Introduction, Functioning of computer, Input/Output and memory device, ports.	
	3 Basic Architecture of Simple Microprocessor Introduction, What is microprocessor, Internal Architecture of 8085 Microprocessor, 8085 system Bus, The 8085 programming Model, Addressing Modes, 8085 Instructions, Using 8085 Simulator, Sample programs.	
July	4 Working with operating system Introduction, Loading of DOS into main memory (Booting), File and File Nameing Conventions, Types of DOS commands, Directory structure of MS-DOS, Introduction of windows operating system, Explore your computer, starting and closing programs, Managing file and folders, Creating shortcuts, Formatting Disk, shutting down the computer, Types of Software.	

Month	Title of the Lesson	Page No.
	5 Propositional Logic & Hardware Introduction, propositional Logic, Basic Logic Gates, More About Logic Gates, Applications of Logic Gates.	
	6 Internal Functioning of computer Introduction, Functional Units of a PC, Control Unit and system clock, Flip-Flops and Memory, Memory organization, External Bus.	
	7 General OOp Concepts. Introduction, Evolution of Software, Basic Concepts of OOp.	
August	8 Introducing JAVA Introduction, About Java, Simple Java Program, Creating and running a Java program.	
	9 Java Fundamentals Introduction, Java character set, tokens, concept of Data type, variables, constants, operators in Java, expressions, significance of classes, objects as instances of class.	
	10 Flow of control Introduction, Programming Constructs, Selection Statements, Elements that Control a Loop, The for loop (Fixed Number of Herations), The While Loop, The Do- While Loop.	

1st Terminal Examination