BHARATIYA VIDYA BHAVAN VIDYASHRAM
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SYLLABUS - (2023-2024)
Class: XI
English Core

Prescribed Books - 1. Hornbill (NCERT)
2. Snapshots (NCERT)

Month	Name of the Topic	Learning Outcome By the end of the topic, students will be able to-
April	**Hornbill:** • The Portrait of a Lady • A Photograph **Snapshots:** • The Summer of the Beautiful White Horse **Classified Advertisements:** • To-Let/Accommodation Wanted, Sale/Purchase, Situation Vacant/Wanted etc. **Grammar:** • Tenses • Re-ordering of Sentences	• Summarize the story in their own words. • Know more about Khushwant Singh, his writing style and major works. • Reconnect events in the story with real life incidents. • Recall the important points of the story through short answer type questions. • Write the character sketch of the grandmother. • Justify the title by writing a short note on it. • Infer the meaning of metaphorical statements in the story by explaining them in the notebook. Describe distinct literary characteristics of poetic forms • Analyse and extrapolate the ideas. • Identify the figures of speech used in the poem. • Understand the theme and flow of the text. • Recall the important points of the story through a questionnaire or a mind map. • Write the character sketch of Uncle Khosrove and Mourad. • Obtain, analyse and communicate information. • Express ideas in an organized manner using appropriate language and format.
May	**Hornbill:** • We're Not Afraid to Die...if We Can All Be Together **Grammar:** • Tenses • Re-ordering of Sentences	• Learn about the different parts of the ship mentioned in the story. • Write the character sketch of the narrator. • Know more about important geopolitical locations. • Recall the important points of the story through a questionnaire or a mind map
July	**Hornbill:** • Discovering Tut: the Saga Continues • The Laburnum Top **Snapshots:** • The Address	• Explain Egyptian beliefs and traditions about the afterlife. • Describe and retell the story of King Tut. • Discuss how archaeologists work. • Develop greater confidence and proficiency in the use of language skills necessary for social and academic purposes.

	Reading Comprehension: • Note Making **Writing Skill:** • Poster • Debate • Speech **Grammar:** • Clauses • Transformation of Sentences	• Promote advanced language skills with an aim to develop the skills of reasoning, drawing inferences, etc. • Inculcate values like courage, empathy, sensitivity, critical thinking and maintaining relations. • Understand to forget the past and move ahead in life. • Appreciate family members and family bonding and value all that we are blessed with. • Realize the value of time and not to be upset with old memories. • Develop the comprehension skill, analytical skill, language skill and thinking skill. • Write coherently and respond imaginatively. • Participate in critical conversations. To prepare, organize and deliver ideas in the form of a poster, debate or a speech.
August	**Reading Comprehension:** • Factual, descriptive and literary passage	• To restructure the lexical capabilities of the students • Cultivating the love for reading and developing their oral and silent reading skills • To familiarize the students with different writing styles and different text genres
September	**Reading Comprehension:** • Case-based passages **Revision**	• Enhance writing skill. • Realise importance of reasoning, • Learn to assess and analyse situations. • Exchange ideas.
October	**Hornbill:** • The Voice of the Rain • Childhood • The Adventure	• Understand the critical appreciation of the poem based on rhyme, content and theme. • Identify the figures of speech used in the poem. • Identify the social issues raised. • Learn to select correct interpretations and solutions to conceptual problems. • Enhance vocabulary. • Know how to take role play. • Learn how to display mannerism and attitude towards others.
November	**Hornbill:** • Silk Road **Snapshots:** • Mother's Day **Creative Writing Skill:** • Poster	• Develop a sense of duty. • Not to indulge in criticism. • Inculcate values like care and concern to save environment. • Develop imaginative and analytical skills. • Realise the importance of saving natural resources. • Express effectively (both verbal and written form). • Know that mothers have equal rights to enjoy their lives and deserve acknowledgement and appreciation. • Strengthen the family bonding with sharing and solving problems. • Develop analytical skills, thinking skills, decision making, management skills, logical skills etc.

		• Identify and understand the central/main point and supporting details along with the phrases used in the lesson. • Imbibe values like care and concern, empathy, compassion, respect for elders, belongingness and tolerance.
December	**Hornbill:** • Father to Son **Snapshots:** • Birth • The Tale of Melon City	• Comprehend and appreciate poetry. • Learn new words. • Enhance understanding of literary devices. • Read with proper intonation and stress. • Read, compare, contrast, think critically and relate ideas to life. • Analyse using plays for their structure and meaning, correct terminology. • Understand the sense of duty. • Appreciate and accept the selfless service to mankind. • Realise and create a balance between the knowledge gained and practical approach. • Interpret that the story hinges on the theme - never say die attitude and the precious gift of life. • Become aware of different situations and dealing them well. • Realise that peace and liberty are the two strong factors for a state to flourish. • Able to understand that the rulers of the state should be judicious and sensitive to the needs of the people. • Understand that the ruler of the state must understand the problems and needs of the people. • Understand that the simplest way to maintain peace and liberty in a state is by following the principles of laissez-faire.

SYLLABUS FOR PERIODIC TEST - 1

Literature:

- The Portrait of a Lady
- A Photograph
- The Summer of the Beautiful White Horse

Grammar:

- Tenses
- Re-ordering of Sentences

Creative Writing Skill:

Classified Advertisement

SYLLABUS FOR TERM 1 / PERIODIC TEST – 2

Reading Comprehension:

- Factual, descriptive and literary passage
- Case-based passage
- Note Making

Literature:

- The Portrait of a Lady
- A Photograph
- We're Not Afraid to die...if we can All Be Together
- Discovering Tut: the Saga Continues
- The Laburnum Top
- The Summer of the Beautiful White Horse
- The Address

Creative Writing Skills:

- Classified Advertisement
- Poster
- Speech
- Debate

Grammar:

- Questions on Gap Filling (Tenses, Clauses)
- Questions on re-ordering/ transformation of sentences

SYLLABUS FOR PERIODIC TEST 3

Reading Comprehension:

- Factual, descriptive or literary passage

Literature:

- The Voice of the Rain
- The Adventure
- Mother's Day

Creative Writing Skill:

- Poster

Grammar:

- Tenses
- Clauses
- Re-ordering / transformation of sentences

Syllabus for Annual Examination

Syllabus of Half Yearly +P T 2 +

- Childhood
- The Adventure
- Silk Road
- Father to Son
- Birth
- The Tale of Melon City

Entire Syllabus

PHYSICS

MONTH	NAME OF THE TOPIC	ACTIVITY	Learning out comes
APRIL	Chapter–2: Units and Measurements Chapter–3: Motion in a straight line		Having basic concepts of mathematics used in physics.
MAY	Chapter–4: : Motion in a Plane		Able to find the dimensions of Different variables.
JULY	Chapter–4: : Motion in a Plane Chapter- 5. Laws of Motion Chapter – 6. Work, Energy and Power	1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker / calorimeter using Vernier calipers and hence find its volume. 2.. To measure diameter of given wire and thickness of a given sheet using screw gauge. 3. Using a simple pendulum plot L-T and L-T2 graphs and use it to find the effective length of second pendulum .	Basic knowledge of differentiation and integration. Students can draw different curves between different physics parameters. Students have basic concept of motion in a plane and different types of friction.
AUGUST	Chapter–7: System of Particles and Rotational Motion Chapter–8: : Gravitation Chapter–9: Mechanical Properties of Solids	4. To find the weight of given body using parallelogram law of vector.	Having knowledge of elastic and inelastic collision. Students can solve the problems related to rotation motion and system of particles.
SEPTEMBER	Chapter–10: Mechanical Properties of fluids Chapter–11: Thermal Properties of Matter	5. To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface.	Students can correlate translatery and rotational motion.
OCTOBER	Chapter–12: Thermodynamics Chapter–13: Kinetic Theory	6. To find force constant of a helical spring by plotting a graph between load and extension.	Students have knowledge of variation in gravitational acceleration. Students can explain the phenomena of viscosity, surface tension and elasticity.
NOVEMBER	Chapter–14: Oscillations	7. To study the relation between the temperature of a hot body and time by plotting a cooling curve	Students can solve the problems related to first and second law of thermodynamics. Students have knowledge of RMS speed and average speed of gas molecule.

DECEMBER	Chapter–15: Waves	8. To study the relation between frequency and length of a given wire under constant tension using sonometer 9.. To study the relation between the length of a given wire and tension for constant frequency using sonometer.	Students can calculate time period of simple pendulum and spring. Students have knowledge of different type of waves, beats and Doppler effect of sound.
JANUARY	Revision		Students can solve high level problems related to lens , mirror and prism. Students have knowledge of different types of optical instruments.
FEBRUARY	Revision		

Syllabus for P1:
Chapter–2: Units and Measurements and Elementary concepts of differentiation and integration for describing motion
Chapter–3: Motion in a Straight Line
Syllabus for half yearly :
Syllabus of P1 and
Chapter–4: Motion in a Plane
Chapter–5: Laws of Motion
Chapter–6: Work, Energy and Power
Chapter–7: System of Particles and Rotational Motion
Syllabus for P3:
Chapter–8: Gravitation
Chapter–9: Mechanical Properties of Solids
Chapter–10: Mechanical Properties of Fluids
Syllabus for Annual Exam:
complete syllabus

Chemistry (043)

Month	Unit no./ Name of unit	Activity	Learning Outcomes
April	Unit 1- Some basic concepts of chemistry. Unit 2- Structure of atom.(Introduction)	PH experiment.	Unit 1 –To be able to explain various laws of chemical combination and to perform the chemical calculations. Unit 2 –Knowledge of Quantum mechanical model of an atom and to be able to write the electronic configuration of elements.
May	Unit 2- Structure of atom.		Unit 2 –Knowledge of Quantum mechanical model of an atom and to be able to write the electronic configuration of elements.
July	Unit 3-Classification of elements and periodicity in properties. Unit 4- Chemical bonding and molecular structure.	Study of equilibrium (content based experiment) Volumetric analysis (Acid base titrations)	Unit 3 –Knowledge of Modern Periodic classification of elements and recognize the periodic trends Unit 4 –To be able to explain the formation of different types of bonds and bond structure of various molecules
August	Unit 5-Chemical Thermodynamic Unit 6- Equillibrium	Salt analysis (group 0 & 1)	Unit 5 – Knowledge of Laws of Thermodynamics and concept of Entropy,Spontaneity and Free energy Unit 6 –Knowledge of characteristics of equilibria involved in physical and chemical processes and theories related to acids and bases.
September	Revision for term-1	Salt analysis (group 2 & 3	
October	Unit 7 – Redox Raction Unit 8- Organic Chemistry: some basic principles and techniques.	Salt Analysis (group 4 & 5)	Unit 7 –Knowledge of mechanism of redox reactions and balancing of chemical equations. Unit 8 –Knowledge of IUPAC Nomenclature,concept of organic reaction mechanism and influence of electronic displacements on structure and reactivity of organic compounds.

November	Unit 8- Organic Chemistry: some basic principles and techniques. Unit-9 Hydrocarbons	Salt analysis (group-6)	Unit 9 –To learn about various methods of preparation of Hydrocarbons and to be able to distinguish between alkanes, alkenes, alkynes and aromatic hydrocarbons on the basis of physical and chemical properties
December	Unit-9 Hydrocarbons	Overall revision	
January	Overall revision for annual exams		
February	Overall revision		

P1- unit 1

P2/ term-1: unit 1,2, 3,4,5

P3: Unit 6 & 7

Annual exams: unit 1,2,3,4,5,6,7,8,9

Biology

Month	**Chapter Number and Topics.**	**Learning outcomes.**	**Practical/ Demonstration**
April	**Chapter 1: The Living World** • Biodiversity • Need for classification. • Three domains of life • Taxonomy and systematics • Concept of species • Taxonomical hierarchy • Binomial nomenclature	Students would be able comprehend the terms Nomenclature ,Taxonomy, and Systematics . They would be able to compare between Taxon and category .	Practical: Parts of a compound microscope.
	Chapter 2: Biological Classification • Five kingdom classification • Salient features and classification of Monera, Protista and Fungi into major groups − • **Lichen, virus, viroids**	Students would be able to observe and explain about different types of subgroups of Kingdom Monera Student would be able to compare Virus ,viroids.and Prions Students would develop basic understanding of five kingdom system.	
	Chapter 3: Plant Kingdom • Salient features and classification of plants into major groups − o Algae o Bryophyta o Pteridophyta o Gymnospermae o Angiospermae (Three to five salient and distinguishing features and at least two examples of each category)	Students should be able to know about features of major groups of plants and also able to understand the difference in sporophytic and gametophytic generation .	Practical: Specimens/slides/models and identification with reasons - Bacteria, *Oscillatoria, Spirogyra, Rhizopus*, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.
May	**Chapter 4: Animal Kingdom** • Salient features and classification of animals non chordates up to phyla level and chordates up to class level (three to five salient features and at least two examples of each category).	Students would be able to know about different types of Classification systems and terms. Student would be able to differentiate between Chordates and Non chordates. Students would recognize silent features of different groups of animal kingdom.	Practical: Virtual specimens/slides/models and identifying features of - *Amoeba, Hydra,*liverfluke, *Ascaris*, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.

July	**Chapter 5: Morphology of Flowering Plants** • Morphology and modifications: Tissues	Students would be able to know about different types of plant parts modifications. Student would be able to identify and observe different roots and stem modifications. Students would develop basic understanding of morphology of plants.	Practical: Different types of inflorescence (cymose and racemose). Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).
	Chapter 6: Anatomy of flowering plants • The Tissue system –Epidermal, Ground and Vascular • Anatomy of Monocotyledonous and Dicotyledonous Plants •	Students will observe :Structure of various types of tissues, concept of simple and permanent tissues, various tissue system. They would be able to compare Primary and secondary growth in Perennial plants . They would evaluate the types of wood in Gymno and Angiospermic plants .	Practical Preparation and study of T.S. of dicot and monocot roots and stems (primary).
August	**Chapter 7: Structural Organisation in Animals** • Animal tissues • Morphology • Anatomy and functions of different systems of an insect (frog) − o Digestive System o Circulatory System o Respiratory System o Nervous System o Reproductive System	Students would be able to know about different types of animal tissues. Student would appreciate the differences between different types of animal tissues. Students would understandmorphology and anatomy of some important animals.	Practical: Study of different plant and animal tissues. Demonstration: Slides and flash cards of animal and plant tissues.

September	**Chapter 8: Cell-The Unit of Life** • Cell theory and cell as the basic unit of life • Structure of − o Prokaryotic cell o Eukaryotic cell • Plant cell and animal cell • Cell envelope − o Cell membrane o Cell wall • Cell organelles - structure and function − o Endomembrane system o Endoplasmic reticulum o Golgi bodies o Lysosomes o Vacuoles o Mitochondria o Ribosomes o Plastids o Microbodies o Cytoskeleton o Cilia o Flagella o Centrioles (ultrastructure and function) o Nucleus -,Nuclear membrane Chromatin, Nucleolus	Students would be able to know about different types of cell organelles. Student would appreciate the differences between prokaryotic and eukaryotic cells. Students would develop basic understanding of structure and functioning of cell organelles.	Practical: Mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.
october	**Chapter 9: Biomolecules** • Chemical constituents of living cells • Biomolecules • Structure and function of − o Proteins o Carbohydrates o Lipids o Nucleic acids o Enzymes -Types , Properties Enzyme action	Students would be able to know about different types of biomolecules. Student would appreciate the differences between different structures of proteins. Students would be able to compare the structure and role of carbohydrates, proteins, fats and genetic material.	Practical: Chemical analysis of carbohydrates, fats and proteins. Demonstration: 3D model of DNA. Assessment: Worksheet, Class test, Homework and Oral test.
	Chapter 10: Cell Cycle and Cell Division • Cell cycle • Mitosis • Meiosis • significance	Students would be able to know about different types of cell divisions and their phases. Student would appreciate the differences between meiosis and mitosis. Students would analyze cell division and its importance.	

November	**Chapter 11: Photosynthesis in Higher Plants** • Photosynthesis as a mean of autotrophic nutrition • Site of photosynthesis − o Pigments involved in photosynthesis (elementary idea) • Photochemical and biosynthetic phases of photosynthesis • Cyclic and non-cyclic photophosphorylation • Chemiosmotic hypothesis • Photorespiration • C3 and C4 pathways factors affecting photosynthesis	Students would be able to know about different types of photosynthetic processes. Student would appreciate the differences between cyclic and non-cyclic photophosphorylation. Students would observe and comprehend the process of photosynthesis.	Practical:Study of osmosis by potato osmometer. Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb). Separation of plant pigments through paper chromatography.
	Chapter 12: Respiration in Plants • Exchange of gases • Cellular respiration − o Glycolysis o Fermentation (anaerobic) o TCA cycle o Electron transport system (aerobic) • Energy relations - number of ATP molecules generated • Amphibolic pathways • Respiratory quotient	Students would be able to know about different types of respiration. Student would be able to differentiate between aerobic and anaerobic respiration. Students should have basic understanding of respiratory mechanism and formation of ATP.	Practical: Study of distribution of stomata on the upper and lower surfaces of leaves. Comparative study of the rates of transpiration in the upper and lower surfaces of leaves. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.
	Chapter 13: Plant - Growth and Development • Growth regulators − o Auxin o Gibberellin o Cytokinin o Ethylene o Aba • Seed dormancy • Vernalisation • Photoperiodism	Students would understand the role of Plant hormones Auxin, Gibberrelin , Cytokinin, Ethylene and ABA They would also be able to explain , seed dormancy, vernalization and photoperiodism.	
December	**Chapter 14: Breathing and Exchange of Gases** • Respiratory organs in animals (recall only) • Respiratory system in humans • Mechanism of breathing and its regulation in humans − o Exchange of gases o Transport of gases o Regulation of respiration o Respiratory volume	Students would be able to know about different types of disorders related to respiration. Student would appreciate the differences between breathing and respiration. Students would develop basic understanding of human	Practical: Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials. Demonstration: Model of human respiratory system.

	• Disorders related to respiration −
	  ○ Asthma
	  ○ Emphysema
	  ○ Occupational respiratory disorders
		respiratory system and its working.	

	Chapter 15: Body Fluids and Circulation
	• Composition of blood
	  ○ Blood groups
	  ○ Coagulation of blood
	• Composition of lymph and its function
	• Human circulatory system −
	  ○ Structure of human heart
	  ○ Blood vessels
	• Cardiac cycle −
	  ○ Cardiac output
	  ○ ECG
	• Double circulation
	• Regulation of cardiac activity
	• Disorders of circulatory system −
	  ○ Hypertension
	  ○ Coronary artery disease
	  ○ Angina pectoris
	  ○ Heart failure
		Students would be able to know about different types of blood group and blood cells and disorders related to circulation.
		
		Student would appreciate the differences between arteries and veins.
		
		Students would understand human circulatory system and its working.
			Demonstration:
			Model of human heart.

January	**Chapter 16: Excretory Products and Their Elimination**
	• Modes of excretion
	  ○ Ammonotelism
	  ○ Ureotelism
	  ○ Uricotelism
	• Human excretory system
	  ○ Structure
	  ○ Function
	• Urine formation
	  ○ Osmoregulation
	• Regulation of kidney function
	  ○ Renin – angiotensin
	  ○ Atrial natriuretic factor
	  ○ ADH and diabetes insipidus
	• Role of other organs in excretion
	• Disorders
	  ○ Uraemia
	  ○ Renal failure
	  ○ Renal calculi
	  ○ Nephritis
	• Dialysis and artificial kidney
		Students would be able to know about different types of excretory products and disorders.
		
		Student would appreciate the differences between excretion and egestion.
		
		Students would understand counter current mechanism of human excretory system and its working.
			Practical:
			
			Test for presence of urea in urine.
			Test for presence of sugar in urine.
			Test for presence of albumin in urine.
			Test for presence of bile salts in urine.
			.

	Chapter 17: Locomotion and Movement
	• Types of movement
	  o Ciliary
	  o Flagellar
	  o Muscular − skeletal muscle-contractile proteins and muscle contraction
		Students would be able to know about different types of muscles, joints and disorders.
		
		Student would appreciate the differences between cardiac, skeletal and visceral muscles.
		
		Students would have basic understanding of structure of muscular system and its working.
			Practical:
			
			Human skeleton and different types of joints with the help of virtual images/models only.
			.

	Chapter 18: Neural Control and Coordination
	• Neuron and nerves
	  o Nervous system in humans
	  o Central nervous system
	  o Peripheral nervous system
	  o Visceral nervous system
	• Generation and conduction of nerve impulse
	• Reflex action
	• Sensory perception
		Students would be able to know about different types of sense organs and their working.
		
		Student would appreciate the differences between signal transmission withing neuron and between two neurons.
		
		Students would analyse the structure and functioning of human brian and its parts.	

	Chapter 19: Chemical Coordination and Integration
	• Endocrine glands and hormones
	• Human endocrine systemn −
	  o Hypothalamus
	  o Pituitary
	  o Pineal
	  o Thyroid
	  o Parathyroid
	  o Adrenal
	  o Pancreas
	  o Gonads
	• Mechanism of Hormone Action (elementary Idea)
	• Role of hormones as messengers and regulators
	• Hypo - and hyperactivity and related disorders
	  o Dwarfism
	  o Acromegaly
	  o Cretinism
	  o Goiter
	  o Exophthalmic Goiter
	  o Diabetes
	  o Addision's disease
		Students would be able to know about different types of hormones and their role in human physiology.
		
		Student would appreciate the differences between chemical and neural coordination.
			Demonstration:
			Working of hormones using model.

Sr. No	Exam -	Name of Chapter
1	PT 1	Unit 1 Chapter-1: The Living World What is living? Chapter-2: Biological Classification Chapter-3: Plant Kingdom Chapter-4: Animal Kingdom Unit 2 Chapter-5: Morphology of Flowering Plants Chapter 6: Anatomy of flowering plants
2	PT 2 / Term 1	Chapter 1 to 10 Unit 2 Chapter-7: Structural Organisation in Animals. Unit 3 Chapter-8: Cell-The Unit of Life Chapter 9: Bio molecules Chapter-10: Cell Cycle and Cell Division.
3	PT 3	Unit 4 Chapter-11 Photosynthesis in Higher Plants Chapter-12: Cellular Respiration Chapter-13: Plant - Growth and Development. Unit 5 Chapter-14: Breathing and Exchange of Gases Chapter-15: Body Fluids and Circulation.
4	Annual Examination	FULL COURSE Chapter 1 to19 Unit 5 Chapter-16: Excretory Products and their Elimination Chapter-17: Locomotion and Movement. Chapter-18: Neural Control and Coordination Chapter-19: Chemical Coordination and Integration

Mathematics

Month	**Chapter No. & Name**	**Learning outcomes:** Students will be able to
APRIL 2023	9. Sequences and series	• determine nth term / sum of n term of AP & GP
MAY 2023	3. Trigonometric Functions	• find the values of trigonometric ratios in all quadrants
July 2023	5. Complex numbers 6. Linear inequalities	• Learn the concept of an imaginary number and will be able to find unreal roots of a quadratic equation. • able to solve algebraically and graphically
August 2023	7. Permutation & Combination	• Learn the fundamental principle of counting and its applications
September 2023	8. Binomial Theorem	• Learn the expansion of BT using Pascal's triangle
October 2023	10. Straight lines 11. Conic Sections	• Learn the concept of slope of a line and various forms of equations of line • Know the Conic Section and their standard equations / applications
November 2023	11. Conic Sections continued 12. 3 D Geometry 13. Limits & Derivatives	• Learn the concept of 3D Geometry distance and section formula in 3D • Understand derivatives as rate of change of a quantity wrt. other quantity
December 2023	15. Statistics 1. Sets 2. Relation & Function	• Learn to calculate mean and standard deviations • Learn the representation of sets and concept of Relations & Function
January 2024	16. Probability	• Learn to find the probability of various events.
February 2024	**Revision** **ANNUAL EXAMINATION**	

PT-1	:	Chapter 3,5 and 9
Half yearly Exam	:	Chapters 3, 5, 6, 7, 8 and 9
PT-3	:	Chapters 10, 11, 12, 13
ANNUAL EXAM	**:**	**Complete syllabus**

Applied Mathematics

Month	Chapter Name	Learning Outcomes: Students will be able to
April	SEQUENCE AND SERIES SETS RELATIONS	Determine general term of series in AP, Calculate sum of n terms of series. Determine general term of series in GP, Calculate sum of n terms. Apply the concept of Venn Diagram to understand the relationship between sets. Perform operations on sets to solve practical problems. Explain the Definition of relation, example pertaining to relations in the real number system.
MAY	NUMBER THERORY	Conversion from decimal to binary system and vice versa.
JULY	LOGARITHM AND ANTILOGARITHM NUMERICAL APPLICATION	Use logarithm in different applications. Express the problem in the forms of an equation and apply Logarithm/ Antilogarithm Determine Questions Related to Average , Clocks and Calendar , Time work and Distance , Mensuration
AUGEST	NUMERICAL APPLICATION(Contd.) PERMUTATION AND COMBINATION	Determine Questions Related to Seating Arrangement Apply the concept of permutation and combination with repetitions to solve problems.
SEPTEMBER	PROBABILITY (i) Conditional Probability (ii) Bayes' Theorem	Find sample space, identity between exhaustive events and exclusive events. To find probability of an events for simple problems.
OCTOBER	Coordinate Geometry STRAGHT LINE CIRCLES PARABOLA	Find Slope of line, Calculate angle between two lines. Use various forms of equation of line. Calculate distance between two parallel lines. Solve problems based on applications of circle. Use Application in parabolic reflector, beam supported by wires at the end of the support, girder of a railways bridge, etc.
NOVEMBER	FUNCTION, LIMITS AND CONTINUITY DIFFERENTIATION	Define limit and continuity of a function. Solve problems based on the algebra of limits. Find the derivative of different types function.
DECEMBER	Descriptive Statistics FINANCIAL MATHEMATICS SIMPLE INTEREST COMPOUND INTEREST	Calculate coefficient of Skewness and Kurtosis . Percentile and Quartile rank of scores in a given data set. Emphasis on application, analysis and interpreting the result of coefficient of correlation using practical examples. Interpret and Calculate simple interest and compound interest
JANUARY	FINANCIAL MATHEMATICS (contd) ANNUITY TAXATION BILLS	Apply the concept of annuity in real life situations. Explain rules under State Goods and Service Tax (SGST) Central Goods and Service Tax (CGST) and Union Territory Goods and Service Tax (UTGST). To interpret and analyze electricity bills, water bills and other supply bills.

FEBRUARY	MATHEMATICAL AND LOGICAL REASONING	Determine Questions Related to . Odd Man Out . Syllogism . Blood Relation . Coding Decoding

Name of the Examination	Chapter Name
Periodic Test 1	1.Sets And Relation 2.Sequence And Series 3. Numbers, Indices , Logarithm and Antilogarithm
Half Yearly Exam	1.Sets And Relation 2.Sequence And Series 3. Numbers Indices , Logarithm and Antilogarithm 4. . Numerical Application 5. Permutation and Combination 6. Probability
Periodic Test 3	1. Coordinate Geometry 2.Calculus (Functions)
Annual Examination	Complete Syllabus

Optional

Informatics Practices (065)

Month	Name of the Topics	Activity	Learning Outcome
April	**Unit 1 :** Introduction to Computer System : Hardware Components, : Software - purpose and types	Presentation to identify hardware and softwarecomponents of a computer system.	Ability to identify the functionality and utility of various hardware and software components of Computer System.
May	**Unit 2:** Introduction to Python Basics of Python programming, Python interpreter - modes, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation of expressions, comments, input /print statements, data type conversion, debugging, if-else, for loop.	Demonstration of Python IDLE interface and simple usage. Python applications to do simple calculations like perimeter, area, interest, etc. Python applications to do conditional and iterative problems.	Ability to develop application using simple python. Ability to develop application using conditional statement. Ability to use, develop & debug programs independently.
July	**Periodic Test 1** **Unit 2**: Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions – len(),list(),append(), insert(), count(), index(), remove(), pop(), reverse(), sort(), min(), max(),sum()	Python applications to use lists. Periodic Test 1	Ability to use, develop & debug programs independently using grouped data.
August	**Unit 2**: Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del(), clear()	Python applications to do use dictionary.	Ability to use, develop & debug programs independently using key-value pairs in dictionaries.
Sept	Revision Term 1 Th. & Prac. Exam.	Questionnaires	Recall topics learned.
October	Unit 3 : Database concepts and the Structured Query Language: (Database concepts and Relational data model: Concept of a database, relations, attributes and tuples, keys) Introduction to SQL, data types in MySQL.	Given a table, identify its various components. Creation of students' database.	Ability to identify various components of a DBMS. Ability to create database, store data using MySQL.
November	Data Definition Commands: CREATE, DROP, ALTER (Add and Remove primary key, attribute). Data Query Commands: SELECT-FROM-WHERE, LIKE, BETWEEN, IN, ORDER BY, using arithmetic, logical, relational operators and NULL values in queries, Distinct clause Data Manipulation Commands: INSERT, UPDATE, DELETE.	Application of various SQL commands on students' database.	Ability to manipulate data stored in databases.

December	Unit 4: Introduction to the Emerging Trends Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.	A movie to be prepared discussing various Emerging trends in the fields of Information Technology and their applications.	Ability to identify the Emerging trends in the fields of Information Technology and their applications.
Jan	EXTRA PORTION : Data Handling using NumPy Annual Examination (Practical & Theory)	Python applications to create and manipulate arrays.	Ability to represent and use data using arrays.

Syllabus for P1	Chapter 1
Syllabus for Term 1	Chapter 1, 3, 4
Syllabus for P2	Chapter 2, 7
Syllabus for Annual Exam	Chapter 1, 2, 3, 4, 7, 8

Artificial Intelligence

Text Book :

1. **Employability Skill Recommended by NCERT**
2. **AI Material by CBSE**

Month	Name of the Topics	Learning Outcome
April	Unit 1: Introduction (knowledge)	Knowledge – Define AI and ML Comprehension – What are the AI products/ applications in society and how are they different from non-AI products/ applications? Evaluation – What kind of jobs may appear in the future?
May	Unit 6: Critical and Creative thinking (Skills)	Skill – Understanding the problem and being able to express the same Creativity – To be able to develop/innovate from design a solution
	Unit 1: Communication Skills-III	Skill- enhance the communication skill
July	Unit 1: Introduction (knowledge)	Knowledge – Define AI and ML Comprehension – What are the AI products/ applications in society and how are they different from non-AI products/ applications? Evaluation – What kind of jobs may appear in the future?
	Unit 6: Critical and Creative thinking (Skills)	Skill – Understanding the problem and being able to express the same Creativity – To be able to develop/innovate from design a solution
	Unit 1: Communication Skills-III	Skill- enhance the communication skill
August	Unit 2: AI Applications and Methodologies (Introduction) (Knowledge)	Knowledge – Where can AI be applied (like in the field of Computer vision, Speech, Text, etc.), What is deep learning? Comprehension – How AI will impact our society Analysis – How should we get ready for the AI age (future)
	Unit 3: Maths for AI (Recap) (Knowledge)	Comprehension – Linear Algebra, Statistics, Basics of Graphs and Set theory Application – Application of Math in AI Synthesis – Representing data in term of mathematical formula
	Unit 2: Self-management Skills-III	Skill- enhance the management skill
September	Unit 4: AI Values (Ethical decision making) (Values)	Knowledge – Ethics, Bias, Impacts of bias on society Application – Spot issue in data, Make arguments, Apply rules
	Unit 2: Self-management Skills-III	Skill- enhance the management skill
	Revision	

October	Unit 5: Introduction to story telling (Skills)	Skill – Imagination, mapping the plot into key events increasing memory retention. Application- Helping in creating blogs, videos, and other content.
	Unit 7: Data Analysis (Computational thinking) (Skills)	Knowledge – Types of structured data, statistical principals – frequency tables, mean, median, mode, range, etc. Application – Representing data in terms of graphs, statistical models Synthesis – To be able to represent a simple problem in terms of numbers
	Unit 3: Information and Communication Technology Skills-III	Skill- enhance the Information and Communication Technology skill
November	Unit 5: Introduction to story telling (Skills)	Skill – Imagination, mapping the plot into key events increasing memory retention. Application- Helping in creating blogs, videos, and other content.
	Unit 7: Data Analysis (Computational thinking) (Skills)	Knowledge – Types of structured data, statistical principals – frequency tables, mean, median, mode, range, etc. Application – Representing data in terms of graphs, statistical models Synthesis – To be able to represent a simple problem in terms of numbers
	Unit 3: Information and Communication Technology Skills-III	Skill- enhance the Information and Communication Technology skill
December	Unit 8: Regression (Knowledge)	Knowledge – Correlations, Regression, and other related terms Applications – Being able to relate data with regression and correlation. Everyday applications of these mathematical concepts.
	4. Unit 4: Entrepreneurial Skills-III	Skill- enhance the Entrepreneurial skill
January	Unit 9: Classification& Clustering (Knowledge)	Knowledge – What is classification and its types, what kind of problems may be placed under the category of a classification problem Applications – Where to apply classification principals Analysis – Impact of the application of incorrect algorithms on society
	Unit 10: AI Values (Bias awareness) (Values) Evaluation – Biases in data, how	Knowledge – What is ethics, Impact of ethics on society, the impact of bias on AI functioning (Values) Evaluation – Biases in data, how to de-bias or neutralize the biased data Application – Finding bias in acquired dataset
	Unit 5: Green Skills-III	Skill- enhance the Green skill
Feburary	Unit 9: Classification& Clustering (Knowledge)	Knowledge – What is classification and its types, what kind of problems may be placed under the category of a classification problem Applications – Where to apply classification principals Analysis – Impact of the application of incorrect algorithms on society
	Unit 5: Green Skills-III	Skill- enhance the Green skill

Periodic Test 1 :

Part A:

Unit 1 : Communication Skills-III

Part B:

Unit 1: Introduction To AI

Unit 2: AI Applications & Methodologies

Half Yearly Theory Examination

Part A:

Unit 1 : Communication Skills-III

Unit 2 : Self-Management Skills-III

Part **B:**

Unit 1: Introduction To AI

Unit 2: AI Applications & Methodologies

Unit 4: AI Values (Ethical Decision Making)

Half Yearly Practical Examination

Unit 3: Maths For AI

Unit 6: Critical & Creative Thinking

Periodic Test 3 :

Part A:

Unit 3 : ICT Skills-III

Part B:

Unit 5: Introduction To Storytelling

Annual Exam (Theory)

Part A:

Unit 1 : Communication Skills-III

Unit 2 : Self-Management Skills-III

Unit 3 : ICT Skills-III

Unit 4 : Entrepreneurial Skills-III

Unit 5 : Green Skills-III

Part B:

Unit 1: Introduction To AI

Unit 2: AI Applications & Methodologies

Unit 4: AI Values (Ethical Decision Making)

Unit 5: Introduction To Storytelling

Unit 8: Regression

Annual Exam (Practical)

Unit 3: Maths For AI

Unit 6: Critical & Creative Thinking

Unit 7: Data Analysis (Computational Thinking)

Unit 9: Classification & Clustering

Unit 10: AI Values (Bias Awareness)

FINE ARTS-PAINTING (THEORY)

Month	Name of the Topic	Activity	Learning Outcome
May, June and July	An introduction to Art Fundamentals of Art	Identify the Colours Make the Colour Wheel	A Theory (History of Indian Art) The objective of including the History of Indian Art for the students is to familiarize them with the various styles and modes of art expressions from different parts of India. This would enrich their vision and enable them to appreciate and develop an aesthetic sensibility to enjoy the beauty of nature and life. The students will also have an opportunity to observe and study the evolution of its mutations and synthesis with other style and the rise of an altogether new style. The students should be made aware of art as a human experience. The teachers should be able to expose them to the wide range of artistic impressions, the media and the tools used. The history of Indian art is a long one. Hence the students would be acquainted with brief glimpses of the development of Indian visual art as are required for concept formation. Examples included in the course of study are selected because of their aesthetic qualities and are intended purely as guidelines.
August	Pre-Historic Rock Paintings and Art of Indus Valley (2500 B.C TO 1500B.C)	Identify the Picture of different Art Styles	
September	Buddhist, Jain, and Hindu Art (3rd Century B.C to 8th Century A.D)	Develop PPT	
October	Introduction to Ajanta Study of Paintings and Sculptures of Ajanta Caves	To document difference between Painting & Sculpture	
November	Temple Sculpture, Bronzes and Artistic Aspects of Indo-Islamic Architecture)	Develop Charts	
December	Study of Temple Sculpture (7th, 8th and 9th Century A.D)	Identify the Picture of Different Art Styles	
January	Study of Temple Sculpture (10th-13th Century A.D) Indian Bronzes	Develop PPT	
February	Artistic Aspects of Indo-Islamic Architecture	Identify the Picture of different Art Styles	

Term Wise Syllabus Painting Class 11

Syllabus for P1:	An introduction to Art Pre-Historic Rock Paintings And Art of Indus Valley (2500 B.C to 1500 B.C)
Syllabus for P2:	Buddhist, Jain and Hindu Art (3rd Century B.C to 8th Century A.D) Introduction to Ajanta, Study of Paintings and Sculptures of Ajanta Caves
Syllabus for Half Yearly:	Pre-Historic Rock Paintings and Art of Indus Valley (2500 B.C to 1500 A.D) Buddhist, Jain, Hindu Art (3rd Century B.C to 8th Century A.D) Introduction to Ajanta, Study of Paintings and Sculptures of Ajanta Caves, Temple Sculpture, Bronzes and Artistic Aspects of Indo-Islamic Architecture
Syllabus for P3:	Study of Temple Sculpture (7th to 10th-13th Century A.D)
Syllabus for Annual Exam	Complete Syllabus

Subject: **FINE ARTS-PAINTING (Practical) Class 11th**

Month	Name of the Topic
July	Nature and Object Study
August	Nature and Object Study
September	Nature and Object Study
October	Painting-Composition
November	Painting-Composition
December	Painting-Composition
January	Portfolio Assessment
February	Portfolio Assessment

Physical Education

TERM - 1
Distribution of Theory Marks

Sr. No.	Chapter Name	Marks
1	Changing trend and career in physical education	
2	Olympic value education	
3	Physical fitness,Wellness and Lifestyle.	
4	Phudical education & sports for CWSN	
5	Yoga	
	Total	35

Distribution of Practical Marks

Topic	Marks
Physical Fitness (AAHPER), 60 m, 600 m yard/Run, Standing broad jump, Shuttle run.	10
Practical File	3
Viva	2
Total	15

SNO.	TEST / EXAM	UNIT/ CHAPTER(S)
1.	PT1	CHAPTER 1
2.	PT2	CHAPTER 2 & 3
3.	TERM1	CHAPTER 1,2,3,4 & 5

TERM - 2

Distribution of Theory Marks

Sr. No.	Chapter Name	Marks
1	Physical activity and leadership training.	
2	Test, Measurement and evaluation.	
3	Fundamentals of Anatomy, Physiology & kinesiology in sports.	
4	Psychology and sports.	
5	Training and Doping in sports.	
	Total	35

Distribution of Practical Marks

Topic	Marks
Physical Fitness (AAHPER), 60 m, 600 m yard/Run, Standing broad jump, Shuttle run.	10
Practical File	3
Viva	2
Total	15

SNO.	TEST / EXAM	UNIT/ CHAPTER(S)
1.	PT3	CHAPTER - 6 & 7
2.	TERM2	CHAPTER - 1 to 10

Home Science

Month	Unit/Chapters	Activities	Learning Outcomes
July	**Unit I** **Chapter 1** **Introduction to Home Science**	**AIL**- Power point presentation Flow Chart Socrative test.	The students will be oriented about the subject and its scope in life and as a career. **Competencies and skills enhanced**: -Understanding of the content. Credibility - Creative thinking - Empathy.
July	**Unit II** **Chapter 2** **Understanding Oneself: Adolescence**.	**AIL**-Class discussion: Why is Adolescence a period of stress and storm? Activity- Record own emotions for a day in different contexts and reflect on the why of these emotions and ways of handling them. Children were introduced the topic by showing some video and telling short stories related to the topic	**Competencies and skills enhanced-** - Critical thinking - efficiency. -Understanding - Critical thinking - Evaluation of the situation and relating it to the context. This will help in exploration
August	**Unit 2** **Ch 3-** **Food Nutrition, health and fitness**	**AIL**- Power point presentation. To make a food pyramid and use it to make a balanced diet for yourself. To understand the basic food groups with the help of a chart and a video. Socrative test.	The learner will be able to share and relate real life eating habits and make a diet plan for themselves.
August	**Chapter 4- Management of resources**.	**AIL** 1.Socrative test 2. Make a plan for a farewell party to be given to grade 12 by using principles of management of resources. And present it in the form of power point presentation.	Competencies and skills enhanced- Efficiency Understanding Critical ability Analytical skills. Credibility. The students will be able to relate the content with real lifesituations.

October	**Chapter 5- Fabrics around us.**	**AIL** 1.Demonstration of different fabrics to understand fibres and weaves. Practical: To identify the thermal property flammability. To draw various weaves on graph paper.	**Competencies and skills enhanced-** Efficiency Understanding Critical ability Analytical skills. Credibility. INVESTIGATION Learning by doing.
November	**Chapter 6** **Media and Communication Technology**	**AIL -** Audio and video taken as a tool for making the learner understand different methods of communication. To make a chart of different communication methods on the basis of senses involved.	**Competencies and skills enhanced-** Efficiency Understanding Critical ability Analytical skills. Credibility. INVESTIGATION Learning by doing. Communication skills.
December	**Chapter 7** **Survival, growth and Development.** .	**AIL** Audio video presentation. Class Discussion on- Identify at least 5-6 key indicators that you think are important for health and see how India ranks among the various countries in the world.	**Competencies and skills enhanced** Learning by doing Critical analysis. Efficiency Empathy. Credibility. Creative skills.
January	**Chapter 8** **Nutrition, Health and Well-being**	**AIL** 1.Socrative Quiz. 2.Make a chart of different activities performed by children and classify them on the basis of different types of development Lecture. Explanation of the concept. Various examples to be given Flow charts/ Class discussion.	**Competencies and skills enhanced** Learning by doing Critical analysis. Efficiency Credibility. Creative skills. Investigatory skills Application of the concept. The students will be able to learn the skill of cooking and presentation of food.

Periodic Test-1	Chapter 1Introduction to Home Science Subject) Chaper-2(Understanding Oneself)
Term-1	Chapter 1Introduction to Home Science Subject) Chaper-2(Understanding Oneself) Chapter-3(Food Nutrition ,health and fitness) Chapter-4 (Management of resources)
Periodic Test-2	Chapter-5 (fabric Around us) Chapter 6 (Media and Communication Technology)
Annual Examination	Entire Syllabus

Psychology

Month	Chapter	Activity	Learning Outcome
April-May July	Ch – 1. Introduction to Psychology Ch – 2. Methods in Psychology	Activity of Misconceptions of Psychology Activity on Survey Method	Ch-1. Interest in the new subject is generated and the basic content of the discipline is known Ch-2. The challenging subject content requires various types of methods to study it. These methods will become familiar
August	Ch – 4. Human Development. Practical Project work to be given in the festive break	Activity on Different stages of life	Ch-4. Human development follows a definite pattern. Each stage of life has special developmental task as well as challenges. Each stage right from prenatal to old age will be understood.
September	Ch – 5. Sensory and Perceptual Experiment No. 1: Mirror Drawing	PTI on Visual Illusions, Attention Span	Ch-5. Students will learn how perception goes beyond sensation. Various factors influencing sensation perception and illusion will be clear.
October	Ch – 6. Learning Experiment No. 2: Span of attention	Activity on reinforcements used in daily life Activity on transfer of training	Ch-6. The concept of learning, various fundamental theories influencing it will be understood

November	Ch – 7. Memory	Memory Reconstruction activity, Anxiety Test	Ch-7. Students will learn about the various factors that influence our memory processes as well as forgetting
December	Ch – 8. Thinking	Activity on creativity	Various types of thinking will be grasped and the cognitive processes behind them will be understood.
January	Ch – 9. Motivation and Emotion	Role play on the various theories of motivation and emotion	Students will learn to enhance their positive emotions and manage their negative emotions in the real life
February	**Revision**		

Syllabus for PT-1	Chapter No. 1, 2
Syllabus for Half Yearly Examination	Chapter Nos. 1, 2, 4, 5
Syllabus for PT-3	Chapter Nos. 1, 2, 3, 4, 5, 6, 7
Syllabus for Annual Examination	Complete Syllabus 1, 2, 3, 4, 5, 6, 7, 8, 9

ECONOMICS

Month	Name of the Topics	Activity	Learning Outcome
April	**Section B - Introductory MICRO Economics**		
	Unit-4. Introduction Ch-1. Economy and Economics Ch-2. Central Problems of an Economy		Students will learn important Economic terms & concepts of PPC & MOC They will learn about the central problems
May	**Section A- Elementary Statistics**		
	Unit-1. Introduction Ch-1. Concepts of Economics and Significance of Statistics in Economics		Students will learn various methods of collection of data and classification of data
	Unit-2. Collection, organization, Presentation of data Ch-2. Collection of data		
	Section B - Introductory MICRO Economics		

July	**Unit-5.** **Consumer Equilibrium and 'Theory of Demand'** Ch-3 Ch-4. Utility Ch-5. Consumer Equilibrium I.C. Ch-6. Theory of demand Price Elasticity of demand		Students will learn concepts of demand and consumer equilibrium.
August	**Section A – Elementary Statistics**		
	Unit 2. **Collection, organization, Presentation of data** Ch-4. **Unit-3.** Organization of Data Ch-9. **Statistical Tools and Interpretation** Ch-10. Measures of Central Technology – Arithmetic mean Measures of Central Tendency-median, mode		Students will learn, numerical application of formulae of mean, median, mode
September	**Unit-6.** **Producer Behaviour and Supply** Ch-7. Production Function		Students will understand concepts of Production, Function
October	**Section B** - **Introductory MICRO Economics**		
	Unit-6 **Producer Behaviour and Supply** Ch-8 Concept of Cost Ch-9 Concept of Revenue Ch-10 Producer Equilibrium		Students will learn concept of Concept of Cost, Revenue and Producer Equilibrium
November	**Section B – Introductory MICRO Economics**		
	Unit-6. **Producer Behaviour and Supply** Ch-11 Theory of Supply Unit-7 Forms of Market and Price determination Ch-12 Forms of Market		Students will understand concepts of supply and Market Forms
December	**Section A – Elementary Statistics**		
	Unit-3. **Statistical Tools and Interpretation** Ch-12 Correlation Ch-13. Index Numbers		Students will understand concepts of Correlation and Index Numbers
	Section B – Introductory MICRO Economics		
	Unit-7. **Forms of Market and Price determination** Ch-12. Forms of Market		They will understand market
January	**Section A – Elementary Statistics**		
	Unit-2. **Collection, organization, Presentation of data** Ch-3. Ch-5. Census and Sample Methods Ch-6. Presentation of data- Textual and Tabular Presentation Ch-7. Diagrammatic Presentation of data-Bar Ch-8. diagrams and Pie charts Frequency diagrams – Histogram Polygon and Ogive Arithmetic Line graphs of Time Fenes graphs		Students will learn creative aspects of Presentation of data and Market Equilibrium
	Section B - **Introductory MICRO Economics**		
	Unit-7. **Forms of Market and Price determination** Ch-13. Market Equilibrium		

Syllabus for P1	:	**Section-A** : Elementary Statistics - Unit-1: Ch-1 , Unit-2. Ch-2
	:	**Section-B** : - Introductory Micro Economics Unit-4: Ch-1 , Ch-2
Syllabus for Half yearly	:	**Section-A** : Elementary Statistics - Unit-1: Ch-1 , Unit-2: Ch-2, 4 , Unit-3: Ch-9, 10 **Section-B** : Introductory Micro Economics - Unit-4: Ch-1 , 2 , Unit-5. Ch-3, 4, 5, 6
Syllabus for P3	:	**Section-B** : Introductory Micro Economics – Unit-6: Ch-07, Ch-08, Ch-09
Annual Exam	:	**Complete Syllabus**