

KNPC SYNOPSIS FOR ACADEMIC SESSION 2026-27**11TH SCIENCE (CBSE) COMPUTER**

MONTH	CHAPTER NO.	CHAPTER NAME	TOPIC COVERED
June	1	Computer System Overview	Introduction
			Computer Organization and Components
			Mobile System Organization
			Types of software
	2	Data Representation	Introduction
			Digital Number Systems
			Number Conversions
			Character Representation
July	3	Boolean Logic	Development Of Boolean Logic
			Binary Valued Quantities
			Logical Operations
			Basic Logic Gates
			More about Logical Gate and Circuits
	4	Introduction to Problem Solving	Introduction
			Problem solving cycle
			Flowcharts
			Pseudocodes
			Verifying algorithms
			Comparing algorithms

August	5	Getting Started with Python	Introduction
			Python pluses
			Python minuses
			working in python
			Understanding first program/ script
	6	Python Fundamentals	Introduction
			Python character set
			Tokens
			Barebone of python
			Variables and assignments
	7	Data Handling	simple input and output
			Introduction
			Data types
			Mutable and Immutable
			Operators
September	9	Flow Of Control	Expressions
			Library modules
			Debugging
			Introduction
			Types of Statements in Python
			Statement Control
			If statements of Python
			Repetition of task
			The range()

			Iteration/looping statements
October	8	Introdunction to python module	Introduction
			Imporitng modules in a python
			Working with math,random module
			Working with statistics module
November	10	String Manipulation	introduction
			Traversing string
			String operators
			String slices, functions and methods
	11	List Manipulation	Introduction
			Creating and accesing lists
			List Operations
December	12	Tuples	Introduction
			Creating and accesing tuples
			Tuples Operations
			Tuples Functions methods
			Modifying tuples
	13	Dictionaries	Introduction
			Dictionary -Key : Value pair
			working with dictionaries
January	14	Cyber Safety	Introduction
			Safely browsing the web
			Cyber crime
	15	Society, Law and ethics	Introduction

			Ethical issues
			Technology and society
			E-Waste Management
			Gender \ Disability issues

11TH Science (CBSE) - Maths			
MONTH	CHAPTER NO.	CHAPTER NAME	TOPIC COVERED
JUN	Chapter 1,2,3,4,5,	- Chapter 1(Sets)	
		- Chapter 2 (Relations and functions)	
		- chapter 3(Trigonometric functions)	
		- Chapter 4(complex number and quadratic equation)	
		- chapter 5(linear inequalities)	
July	Chapter 6 and 7	Chapter 6(permutations and combinations) chapter 7(Binomial theorem)	
Aug.	Chapter 8	Chapter 8 (sequences and series)	
Sep.	Chapter 8,9,10	- Chapter 9 (straight lines)	
		- chapter 10(Conic section)	
Oct	Chapter 11,12	- chapter-11 (Introduction to three dimensional geometry)	
		- Chapter 12 (limits and derivatives)	
November	Chapter 13	- chapter 13 (probability) Chapter 14(statistics)	

11TH Science (CBSE) - Physics			
MONTH	CHAPTER NO.	CHAPTER NAME	TOPIC COVERED

Jun		chapter 1 (units and measurements)	
		Chapter 2 (motion in straight line)	
July		chapter 3(motion in plane)	
		Chapter 4 (laws of motion	
Aug		Chapter 5 (laws of motion)	
		Chapter 6 (work energy and power)	
Sep		chapter 7 (gravitation)	
		Chapter 8 (mechanical properties of solids)	
Oct		chapter 9th (mechanical properties of fluids)	
		Chapter 13 - (Kinetic theory)	
November		Chapter 10 (Thermal properties of matter)	
		Chapter 11th : (Thermodynamics)	
December		chapter 13 (oscillations)	
		Chapter 14 (waves)	

11TH Science (CBSE) - Chemistry			
MONTH	CHAPTER NO.	CHAPTER NAME	TOPIC COVERED
Jun		- Chapter 7 (Redox)	
		- Chapter 1(Some basic concepts of chemistry)	
July		Chapter 2 (Structure of atom)	
Aug		- Chapter 3 (classification of elements and periodicity in properties)	
		- chapter 4 (Chemical bonding)	

Sep		- Chapter 5 (Thermodynamics)	
Oct		- chapter-6 (Equilibrium)	
November		chapter-8 (organic chemistry- some basic principles and techniques)	
December		Chapter 9 (Hydrocarbon)	

11TH Science (CBSE) - Biology			
MONTH	CHAPTER NO.	CHAPTER NAME	TOPIC COVERED
June	Chapter 1, 2, 3	Chapter 1 – The Living World	
		Chapter 2 – Biological Classification	
		Chapter 3 – Plant Kingdom	
June	Chapter 4, 5	Chapter 4 – Animal Kingdom	
		Chapter 5 – Morphology of Flowering Plants	
August	Chapter 6, 7, 8	Chapter 6 – Anatomy of Flowering Plants	
		Chapter 7 – Structural Organisation in Animals	
		Chapter 8 – Cell: The Unit of Life	
September	Chapter 9, 10, 11	Chapter 9 – Biomolecules	
		Chapter 10 – Cell Cycle and Cell Division	
		Chapter 11 – Photosynthesis in Plants	
October	Chapter 12, 13, 14	Chapter 12 – Respiration in Plants	
		Chapter 13 – Plant Growth and Development	

		Chapter 14 – Breathing and Exchange of Gases	
November	Chapter 15, 16	Chapter 15 – Body Fluids and Circulation	
		Chapter 16 – Excretory Products and their Elimination	
December	Chapter 17, 18	Chapter 17 – Locomotion and Movement	
		Chapter 18 – Neural Control and Coordination	
January	Chapter 19	Chapter 19 – Chemical Coordination and Integration	

11TH Science (CBSE) - ENGLISH			
MONTH	CHAPTER NO.	CHAPTER NAME	TOPIC COVERED
JUN			
	CBSE		
	Hornbill : Prose - poem		
	CH :1	The Portrait of a Lady	Textual Q/Ans
	Poem:1	A Photograph	Summary and F.O.S
	Snap shot		
	Ch:1	The Summer of the Beautiful White Horse	Textual Q/Ans
	Grammar	TENSE	
		DISCURSIVE PASSAGE	
	W.S	NOTICE WRITING	Format , extra questions
July	CBSE		

	Hornbill : Prose - poem		
	CH:2	We're Not Afraid to DIE....if We Can ALL Be Together	Textual Q/Ans
	Poem:3	The Laburnum Top	Textual Q/Ans
	Snap shot		
	CH:2	The Address	Textual Q/Ans
	Grammar	CASE BASED STUDY	
	W.S	invitation	Format , extra questions
aug	CBSE		
	Hornbill : Prose - poem		
	CH:3	Discovering Tut: the saga continues	Textual Q/Ans
	Poem:4	The Voice of the Rain	Textual Q/Ans
	Snap shot		
	CH:3	Ranga's Marriage	Textual Q/Ans
	Grammar	FILL IN THE BLANKS	
	W.S	DIRECT INDIRECT SPEECH	
		Report writing	Format , extra questions
sep	CBSE		
	Hornbill : Prose - poem		

	CH :4	Landscape of the soul	Textual Q/Ans
	Poem:		
	Snap shot	revision	
	Ch:4		
	Grammar	REST TOPICS / REVISION	
	W.S	Job Application	Format , extra questions
october	CBSE		
	Hornbill : Prose - poem		
	CH :	REST CHAPTER / REVISION	Textual Q/Ans
	Poem:		
	Snap shot	REST TOPICS / REVISION	Textual Q/Ans
	Ch:4		
	Grammar	REST TOPICS / REVISION	
	W.S	Artical	Format , extra questions
november	CBSE		
	Hornbill : Prose - poem		
	CH: 7	The Adventure	
	Poem: 6	childhood	
	Snap shot		
	Ch:5	Mother's Day	
	Grammar	Analytical paragraph	
	W.S	Case-base study	

december	CBSE		
	Hornbill : Prose - poem		
	ch: 8	Silk Road	
	Poem: 8	Father to son	
	Snap shot		
	Ch:7	Birth	
	Grammar	tenses/ voice revision	
	W.S		
january	CBSE		
	Hornbill : Prose - poem	revision Q/A	
	ch:	revision Q/A	
	Poem:	revision Q/A	
	Snap shot		
	Ch:8	The Tale of Melon city	
	Grammar	REST TOPIC REVISION	
	W.S	practice Q/A	
FEBRUARY	CBSE		
	Hornbill : Prose - poem	revision Q/A	
	ch:	revision Q/A	
	Poem:	revision Q/A	
	Snap shot		
	Ch:8	REVISION	
	Grammar	REST TOPIC REVISION	

	W.S	practice Q/A / CLASS TEST	
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11TH SCIENCE (CBSE) Physical Education			
MONTH	CHAPTER NO.	CHAPTER NAME	TOPIC COVERED
June	1	Changing Trends and Careers in P.E	Concept, aims and objectives of P.E
			Development of P.E in INDIA
			Changing trends in sports-playing surface
			Career options in P.E
			Khelo india program
	2	Olympic value education	Concept and values
			Ancient and modern olympic
			Symbols, motto, flag, oath
July	3	Yoga	Movement structure
			Meaning and importance
			Introduction of Astanga yoga
			Yogic kriya
			Pranayama and its types
August	4	P.E and sports for CWSN	Active lifestyle and strees
			Disability and Disorder
			Types of disability
			Disability etiquettes
			Aim and objective of P.E

	5	Physical fitness,health and wellness	Role of various professionals
			Meaning and importance
			Components
			Traditional sports and regional games
			Leadership in sports
			Introduction of first aid
September	6	Test and measurement and evaluation	Define of test,measurement and evaluation
			importance of test,mea. and evaluation
			Calculation of BMI
			Somato types
			Mea.of health related fitness
October	7	Fundamentals of anatomy and physiology	Definition and importance
			Functions of skeletal system
			Properties of muscle
			Circulatory system
			Respiratory system
November	8	Fundamentals of kinesiology and bio.	Definition and importance
			Principels of bio.
			Kinetics and kinematics in sports
			Types of body movement
			Axix and planes
December	9	Psychology and sports	Definition and importance

			Adolescent problems
			Team cohesion
			Introduction of psychological attributes
January	10	Training and doping in sports	Concept and principal
			Training load
			Warming up and cooling down
			Concept of skill
			Concept of doping