CHHATTISGARH

SUMMER VACATION HOMEWORK (2024-25)

Class- XI

Subject - English

Class – XI	Subject - English	Teachers - BK Pandey
S.No.	Items	Details
1.	Syllabus for PT-1	Snapshots: Summer of the Beautiful White Horse The Address Hornbill The Portrait of a Lady We re not Afraid to Die if are all Together Writing Speech Writing Grammar Verb Tenses
2.	Revision Homework / Assignment	Ensure that all the Exercises with respect to the above chapters are completed.
3.	General Capacity Building	Watch as many of the following movies as you can: Good Will Hunting 12th Fail Finding Forrester Kramer Versus Kramer Jerry McGuire Coach Carter A Few Good Men Men of Honour Good Will Hunting The Imitation Game Shashwank Redemption The Terminal The Last Castle Hachi - A Dog's Tale Read the following Titles — 'Malgudi Days' by R. K. Narayan 'Wise and Otherwise: A salute to Life' by Sudha Murty To Kill a Mockingbird Animal Farm 1984 Great Expectations The Old Man and the Sea The Importance of Being Earnest

		Catch-22 Dr. Jekyll and Mr. Hyde The Gift of the Magi For Whom the Bell Tolls A Study in Scarlet (Sherlock Holmes), Arthur Conan Doyle The Last Leaf, O Henry
4.	Preparatory Work for Units/ Chapters covered	

CHHATTISGARH

SUMMER VACATION HOMEWORK (2024-25)

Class- XI

Subject - Maths

Class – XI	Subject- Maths	Teachers - MSN Raju, Raj Kumar
S.No.	Items	Details
1.	Syllabus for PT-1	 Sets Relations and Functions Trigonometric Functions Complex numbers and Quadratic equations.
2.	Revision Homework / Assignment	Revision of 1 to 4 chapters for PA 1
3.	Subject Capacity Building Assignment	Activities: 1. To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2 ⁿ . 2. To verify that for two sets A and B, <i>n</i> (A×B) = <i>pq</i> and the total number of relations from A to B is 2 ^{pq} , where <i>n</i> (A) = <i>p</i> and <i>n</i> (B) = <i>q</i> . 3. To verify distributive law for three given non-empty sets A, B and C, that is, A ∪ (B ∩ C) = (A ∪ B) ∩ (A ∪ C) 4. To find the values of sine and cosine functions in second, third and fourth quadrants using their given values in first quadrant. 5. To plot the graphs of sin <i>x</i> , sin 2 <i>x</i> , 2sin <i>x</i> and sin x/2, using same coordinate axes.
4.	Preparatory Work for Units/ Chapters covered	MCQs of RD Sharma from the following chapters: 1. Sets 2. Relations and Functions 3. Trigonometric Functions 4. Complex numbers and Quadratic equations.

CHHATTISGARH

SUMMER VACATION HOMEWORK (2024-25)

Class- XI

Subject - Physics

Class – XI	Subject - Physics	Teachers - R Madanlal, Shasi Kant
S.No.	Items	Details
1.	Syllabus for PT-1	Chapter1,2,3
2.	Revision Homework / Assignment	 Write the summary points of chapter1,2,3 from NCERT text book Prepare notes for chapters 2 and 3.
3.	Subject Capacity Building Assignment	Write the conducted experiments in the practical record.
4.	Preparatory Work for Units/ Chapters covered	Solve the exercise questions of chapters 1.2 and 3.

CHHATTISGARH

SUMMER VACATION HOMEWORK (2024-25)

Class- XI

Subject - Chemistry

Class – XI	Subject - Chemistry	Teachers- Dipankar Tiwari, Deepshikha Kujur
S.No.	Items	Details
1.	Syllabus for PT-1	Chapter -1 and 2.
2.	Revision Homework / Assignment	Complete questions answers of chapter 1 and 2.
3.	Subject Capacity Building Assignment	Collect atleast 15 MCQ questions from each chapter 1 and 2 as a part of NDA syllabus
4.	Preparatory Work for Units/ Chapters covered	Working models based on chemistry class 11th.

CHHATTISGARH

SUMMER VACATION HOMEWORK (2024-25)

Class- XI

Subject - Computer Science

Class – XI	Subject - Computer Sc.	Teachers- Pradeep Kumar Dangre
S.No.	Items	Details
1.	Syllabus for PT-1	Unit I: Computer Systems and Organisation - 1. Basic computer organization: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory 2. Number System: Binary, Octal, Decimal and Hexadecimal number system 3. ASCII Unit II: Computational Thinking and Programming – 1 Topics: 1. Introduction to Python Programming 2. Python character set & Python tokens 3. Operators & Expression 4. Conditional statements 5. Iterative Statements (only while)
2.	Revision Homework / Assignment	(Do as directed – Make a stick file for Python Programs) * List of Programs is discussed in Class.
3.	Subject Capacity Building Assignment	Q.1: Perform the following:- Write a Menu Based program for integers: 1. Print ASCII Code 2. Check Even / Odd 3. Check Prime 4. Check Perfect 5. Check Composite 6. Check Palindrome 7. Print Factorial 8. Exit
4.	Preparatory Work for Units/ Chapters covered	Learn Boolean Algebra, Truth Table and Fundamentals of Computer, Prepare 20 MCQs on Python & write in your Computer Notebook.

SAINIK SCHOOL AMBIKAPUR CHHATTISGARH

SUMMER VACATION HOMEWORK (2024-25)

Class- XI

Subject - Biology

Class – XI	Subject - Biology	Teachers- Manoj Kumar Tripathi
S.No.	Items	Details
1.	Syllabus for PT-1	L1- Diversity in living organisms L2- Biological Classification L3- Plant Kingdom L4- Animal kingdom
2.	Revision Homework / Assignment	Prepare 50 MCQ questions each from L1 to L4 for your PA 1 examination.
3.	Subject Capacity Building Assignment	Make a herbarium file of 20 leaves. Write basic classification of these plants with common hindi and english names.
4.	Preparatory Work for Units/ Chapters covered	Read lessons 5- Morphology of flowering plants and Lesson 6 Anatomy of flowering plants for ease of understanding later.