



SHIVAJI INTER COLLEGE

KESHAV NAGAR, KANPUR



SUMMER HOLIDAY HOME WORK

NAME:.....

CLASS:.....

ROLL NO.....



SHIVAJI GROUP OF INSTITUTIONS
SUMMER VACATION WORK (2025-26)
CLASS- 11 I-1

Subject	Holiday Work		
Math	Project work:- Write the formula of trigonometry in chart paper use sketch pen.		
Eng Lit.	Write the summary about the author of the Ch- A living God. Write line by line explanation of the poem. “Abhisara- the tryst”		
Eng Lang.	Write an original story that end with the following words-I really doubt if thngs could have turned out any better.		
Hindi	प्रस्ताव – लेखन लगभग 400 शब्दों में लिखे – वृक्ष अपने काटने वालो को भी छाया फल और लकड़ी देता है। प्रस्तुत पंक्ति को आधार बनाकर एक लेख लिखिये। मौलिक कहानी लिखे- 1. कौआ चला हंस की चाल 2. उगता सूर्य		
Biology	Make a project file on the topic given below- Roll No. 01 to 10- Plant Kingdom Roll No. 11 to 20- Animal Kingdom Roll No. 21 to 30- Cell: Structure and Function Roll No. 31 to 40- Cell Division: Mitosis or Meiosis		
Chemistry	Make an assignment on following topic in A4 sheet-		
	S.NO.	Investigatory Project	Roll No.
	1	Study of common food adulterants in fat, butter, sugar, turmeric powder, chill powder and pepper	(1,3,5,7,9,11,32,34,35,38)
	2	Study of rate of fermentation of flour, fruit, juices and vegetable juices	(2,4,6,8,12,22,24,26,28,30)
	3	Extraction of essential oil present in saunf (aniseed), ajwain, illaichi	(13,10,15,17,19,21,20,23, 14)
	4	Study of sterlisation of water with bleaching powder	(25,27,29,31,33,16,18,39, 40)
Physics	1- Derive Equation of motion by Calculus method. (Roll No 1 to 5) 2- Derive Equations of motion by Graphical method. (Roll No 6 to 10) 3- Prove that path of projectile is parabolic , also find expression of time of flight , Maximum Height and Range. (Roll No 11 to 20) 4- Explain triangle and parallelogram law of vector addition. (Roll No 21 to 26) 5- Explain Newton’s laws of motion in brief. (Roll No 27 to 32) 6- Define hook’s law and prove steel is more elastic than rubber. (Roll No 33 to 40) 7- Explain Principle of Bernoulli explain working of two apparatus based on this principle. (Roll No 41 to 46) 8- Explain working of hydraulic lift and Brake. (Roll No 47 to rest all)		
Computer	➤ Design Logic Gates (Basic and Universal Gate) with its logic circuit and truth table. ➤ Define Tautology, Contradiction and Contingency with its truth table.		