SHIVAJI GLOBAL ACADEMY

NAURANGA, GHATAMPUR, 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.
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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 Contigency with its truth table.