



SHIVAJI INTER COLLEGE

KESHAV NAGAR, KANPUR



SUMMER HOLIDAY HOME WORK

NAME:.....

CLASS:.....

ROLL NO.....



SHIVAJI GROUP OF INSTITUTIONS

SUMMER VACATION WORK (2025-26)

CLASS- 10 I

Subject	Holiday Work
Math	<p>Project work:-1 Topic- G.S.T Visit department store and purchase some article at different rate of interest of G.S.T interest of G.S.T which invoke certain discount on marked price. I. Calculate total amount of G.S.T paid on your purchase. II. Total discount you have received. III. Amount of bill you have paid.</p> <p>Project work:-2 Topic- Mean, Median and Mode Conduct a survey in your locality to study mode of conveyance price of various essential favorite sports represent using a Bar graph/ Histogram and estimate.</p> <p>Project work:-3 Share and Dividend Define the following terms:- Nominal Value Market Value At par Above par</p>
Eng Lit.	<p>“In Julius Caesar, Shakespeare uses the settings of Rome and the battlefield to explore the themes of power, loyalty and the consequences of ambition. Analyze how these setting contribute to the portrayal of political conflict and personal betrayal. ➤ How does the setting of Rome reflect the political turmoil and the tension between public duty and personal loyalty? ➤ How does the battlefield setting enhance the themes of honor, ambition and the ultimate cost of power struggles? How to go about it- ➤ Compare and contrast the characters of Brutus and Mark Antony in their use of these settings to influence public opinion and shape the course of events. How does Brutus’ stoic approach in Rome contrast with Antony’s emotional manipulation during his speech? ➤ Examine the symbolic significance of Rome and the battlefield in the larger narrative of the play. What do these setting reveal about the nature of leadership and the impact of personal ambition on the fate of a nation?</p>
Eng Lang.	<p>1. INFORMAL LETTER: You wish to become a model while your parents want you to become an engineer. Write a letter to your mother giving reasons why you should be allowed to pursue your ambition. 2. NOTICE WRITING: Your school is hosting an inter-school Science Exhibition. Write a notice for your school informing the students about the exhibition.</p>
Hindi	<p>प्रस्ताव – लेखन लगभग 250 शब्दों में लिखें – 1. ‘मजहब नही सिखाता आपस में बैर रखना ’ 2. ‘पुस्तक एक उत्तम साथी होती है’ मौलिक कहानी लिखें- 1. करत-करत अभ्यास के जड़मति होत सुजान 2. सत्य की कभी हार नहीं होती </p>
H.C.G-1	<p style="text-align: center;"><u>History / Civics</u> <u>Project-1</u></p> <p>Present a life sketch and contributions of any one of the following Presidents of India-</p> <ol style="list-style-type: none"> 1. Dr. Rajendra Prasad [Roll No. 01 to Roll No. 17] 2. Dr. S. Radhakrishnan [Roll No. 18 to Roll No. 34] 3. Dr. APJ Abdul Kalam [Roll No. 35 to Roll No. till end] <p><u>Introduction</u> <u>Acknowledgement</u> <u>Content</u> Early life and family Education Career and legacy Awards and Achievements Presidency</p> <p><u>Conclusion</u> <u>Bibliography</u> <u>Important Instruction-</u></p> <ul style="list-style-type: none"> • Do this project in comment sheets. • Do not use any coloured sketch pen. • Only used Black and Blue pen. • Paste the pictures if required. <p><u>Project-2</u> Prepare a report on the contributions of any two of the following agencies of the United Nations- UNESCO / WHO/ UNICEF / ILO/ UNDP/ FAO</p> <p><u>Introduction</u> <u>Acknowledgement</u> <u>Content</u></p> <ul style="list-style-type: none"> • Purpose of United Nations • Structure and Organization of the UN

	<ul style="list-style-type: none"> Member State of the United Nations How many agencies are there in the UN. List, Full form, Establishment, headquarter, logos and write the works of any two of them. <p><u>Conclusion</u> <u>Bibliography</u></p> <p><u>Important Instruction-</u></p> <ul style="list-style-type: none"> Do this project in comment sheets. [15] Only used Black and Blue pen. Paste pictures if required. <p>UNESCO, WHO- Done by Roll No. 01 to 17 UNICEF, ILO- Done by Roll No. 18 to 34 UNDP, FAO- Done by Roll No. 35 to till end</p>
H.C.G-2	<p><u>Geography</u> Candidates will be required to prepare a project report on any one topic. The topics for assignments may be selected from the list of suggested assignments given below-</p> <p><u>Project-1</u> [This project will be done by Roll No. 01 to Roll No. 25] <u>Environment:</u> <u>Wild life conservation efforts in India.</u> <u>Introduction</u> <u>Acknowledgement</u> <u>Content</u> <u>Meaning-</u> what is wildlife conservation Efforts made by Indian Government Project Tiger, Project Elephant, Sea Turtle Project, Vulture, crocodile conservation project, Dolphin, India adopts SAWEN, Captive Breeding Program <u>Conclusion</u> <u>Bibliography</u></p> <p><u>Important Instructions:-</u></p> <ul style="list-style-type: none"> Given project is to be done in the comments sheet. Project should be done at least 15 sheets. Use only blue and black pen in the project. Use pictures or sketching on where the need is required. All these details filled on the first page. <p>Name..... Class..... Section.....Project Name.....School Name.....</p> <p><u>Project-2</u> [This project will be done by Roll No. 26 to Roll No. (Till end)] <u>Transport in India</u> <u>Outline of the project</u> <u>Introduction</u> <u>Acknowledgement</u> <u>Content</u> <u>Importance of Transport System</u> <u>Significance of Transport System-</u> a) Economic benefits b) social benefits</p> <p><u>Modes of Transport</u> <u>Roadways:-</u> Classification, Advantages, Disadvantages problem, faced by Road Transport <u>Indian Railways:-</u> Types, management, Progress of Indian railways, advantages, disadvantages, problems of Indian railways. <u>Airways:-</u> Introduction, classification of airports advantages, disadvantages, problems facing the aviation sector of India. <u>Waterways:-</u> Importance of waterways, types, coastal shipping, national waterways, major ports and shipping, advantages, disadvantages problem <u>Conclusion</u> <u>Bibliography</u> <u>Important Instructions:-</u> - as same as project no. 1</p>
Biology	<p>Make a neat, labelled and colourful poster (chart) on the topic given below: Or Make a project file on the topic given below-</p> <p>Roll No. 01 to 15- Cell cycle: Stages of cell cycle Roll No. 16 to 30- Cell Division: Mitosis and Meiosis Roll No. 31 to 45- DNA: Structure and Function Roll No. 46 to 60- Root: Structure and Function</p>
Chemistry	<p>Make an assignment on following topic in A4 sheet-</p> <p>Roll No. 01 to 15- Make a PH chart of following with colour and nature- a) Tomato juice b) Lime water c) Lemon juice d) Distill water e) Tap water Roll No. 16 to 30- Give a test to detect Carbon di oxide according to your experiment. Roll No. 31 to 45- Make a chart with picture on flame test of following ions- Na⁺, K⁺, Cu⁺⁺, Ca⁺⁺ Roll No. 46 to 60- a) What is Nessler reagent & write down its use with reaction. b) What is esterification reaction? How it is use to identify organic compound?</p>
Physics	<p>Roll No. 01 to 10- How simple machine makes our life easier? Roll No. 11 to 20- Effect of gravity on earth & space. Roll No. 21 to 30- Working and applications of the electric bill – Explain its mechanism using diagrams and real life uses. Roll No. 31 to 40- Reflection and Refraction of light in daily life. Use real examples likes mirrors, lenses & water Roll No. 41 to 50- Hydro electric power generation & advantages = include diagrams of dams and turbines. Roll No. 51 to 60- Laws of motion in everyday life = Explain inertia, friction & acceleration with examples</p>
Computer	<p>➤ Write a program in java to print the Floyd's Triangle. ➤ Write a program in java to calculate following series- S=1+2+9+28+65.....n ➤ Design a class to overload a function triangle() as follow- a) Boolean triangle (int a, int b, int c) with three integer arguments and return true if the triangle is equable otherwise false. (A triangle is said to be an "equable Triangle" if the area of triangle is equal to its perimeter) b) Double triangle (double a, double b, double c) with three double arguments and calculate and returns the area of triangles (using the Heron's formula)-</p>

	<p>Formula $A = \sqrt{s(s-a)(s-b)(s-c)}$ where $s = (a+b+c)/2$</p> <p>c) Void triangle (float a, float b, float c) with three float arguments. It checks whether the triangle formed by the given sides is a right angled triangle or not.</p> <p>➤ Write a Program in Java to convert Decimal Number into Binary Number.</p>
P.Ed	<p>Make a Project file on the topic given below-</p> <p>Roll No. 1 to 30- Cricket</p> <p>Roll No. 31 to 60- Volleyball</p>