

ARMY PUBLIC SCHOOL JAMMU CANTT

HOLIDAYS HOMEWORK FOR WINTER VACATIONS (2024-25)

CLASS-VIII

MATHEMATICS	
ROLL. NO. 1-5	Use origami sheets and make different shapes and figures (2D and 3D) of mensuration such as cuboid, cube, cylinder, hollow cylinder. For each shape, provide the key properties like number of edges, faces, vertices, surface area, and volume formulae.
ROLL. NO. 6-10	Take a few containers of different sizes with circular bases. Fill the same amount of water in each container. Note the diameter of each container and the respective height at which the water level stands. Tabulate your observations. Is it a case of direct or inverse proportion?
ROLL. NO. 11-15	Direct and inverse variation - Show the relation between two quantities x and y which vary inversely using a graph sheet of same number of unit squares.
ROLL. NO. 16-20	Use origami sheets and cut different colour circles and by using them make a 3D pie chart working model.
ROLL. NO. 21-25	By using different colour origami sheets make a model on Laws of exponents and powers.
ROLL. NO. 26-30	By using different colour origami sheets make a model on Algebraic Expressions.
ROLL. NO. 31-35	Make 2D shapes of quadrilaterals like: trapezium, parallelogram, rhombus, rectangle, Kite and square.
ROLL. NO. 36-40	Make a model of bar graph which represents a student's marks in Maths in the first, second and third terms respectively.
SCIENCE	
ROLL. NO. 1-5	Working model of kaleidoscope.
ROLL. NO. 6-10	Working model of periscope.
ROLL. NO. 11-15	Working model of electroscope.
ROLL. NO. 16-20	Working model of seismograph.
ROLL. NO. 21-25	Model of irrigation system.
ROLL. NO. 26-30	Conduction tester using LED .
ROLL. NO. 31-35	Model of Toy phone along with PPT.
ROLL. NO. 36-40	Working model of solar cooker

SOCIAL SCIENCE

ROLL. NO. 1-5	Prepare a Model and Report: Depletion of Resources
ROLL. NO. 6-10	Interview any 5 maids/domestic help in your society with the help of a Questionnaire (10 Questions) related to education, salary, health conditions, accommodation, family status, working environment, food habits, purchasing power, saving etc. and file them in a folder. Also write a conclusion by providing measures to establish Dignity of Labours in society and support it with pictures.
ROLL. NO. 11-15	Prepare a chart 'showing the difference between the lifestyle of farmers in the developed countries on the basis of picture collected from magazines, newspapers, and the internet'.
ROLL. NO. 16-20	A project on 'Indian Constitution and its makers'. Focus on the main features of Indian constitution and on some of the important persons who have contributed immensely to write Indian Constitution'.
ROLL. NO. 21-25	Prepare a table on the leaders of the revolt of 1857, Collect information and pictures about them and make a collage.
ROLL. NO. 26-32	Make a model on various methods of soil conservation and write it in the scrap book.
ROLL. NO. 33-40	Refer to the internet and your text book of history and study the topic 'Marginalized groups and social justice'. Make a project using the following points: (a)Forms of social inequality -Caste System, Untouchability, Adivasis etc. (b)How social status affects Economics status? (c) Social justice and the Indian constitution (d)Laws to help the marginalized Use a project file for this and also Paste relevant pictures.

ROLL. NO. 1-10	ENGLISH	<p>1. Wildlife Rescue Awareness based on: Chapter 6: This is Jody's Fawn Task: *Create a poster or digital infographic about the importance of rescuing and caring for injured or orphaned animals.</p> <p>*Include a "What You Can Do" section with tips for kids. Materials: Chart paper, markers, or online tools like Canva.</p> <p style="text-align: center;">OR</p> <p>2.Detective Comic Strip Based on: Chapter 6: The Fight and Chapter 7: Jalebis Task: *Create a fun comic strip where a detective solves a mystery involving a fight or missing jalebis! *Use speech bubbles with examples of reported speech. Materials: Comic templates, markers, or online tools like Pixton.</p>
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ROLL. NO. 11-20	HINDI	सूचना लेखन -चार्ट पेपर (ए3)पर एक रचनात्मक सचना बनाएं विषय-विद्यालय में हिन्दी वाद-विवाद प्रतियोगिता से संबंधित
ROLL. NO. 21-30	SANSKRIT	पञ्च लकाराणां प्रयोगं कृत्वा (लट्,लृट्,लङ्,लोट्,विधिलिङ्) स्फोरकपत्रे लिखित्वा आनयन्तु। पांचो लकारो { लट्,लृट्,लङ्,लोट्,विधिलिङ् } को चार्ट पेपर पर लिखकर लाएं
ROLL. NO. 31-40	COMPUTERS	PPT on future possibilities of AI in various fields. (Paste the printout of PPT on your notebook)

NOTE:

- ❖ The best models will be selected for **SCHOOL ANNUAL EXHIBITION** and the students will be awarded with appreciation certificate.
- ❖ Marks of winter break holiday homework will be reflected in the **SUBJECT ENRICHMENT** column of progress report of students and will be added in **TERM-2** annual result.