Sprawling Buds ICSE School, Jammu

**(Affiliated to Council for the Indian School Certificate Examination , New Delhi .
School Code JK 001)**

HOLIDAY HOME WORK   CLASS VII

S.No.	Subject	Holiday Homework
1	History & Civics	The Medieval World :- Write down the meaning of the Term "Medieval" , tracing the beginning of Medieval period in the world and India on the basis of evidences. Socio/ Political circumstances , Birth of Christianity , Birth of Jesus in Bethlehem. Main teachings of Jesus. Illustrate the idea of Constitution and its Purpose.
2	Geography	1 On an outline map of the world , show the routes taken by the crusaders of the third crusader 2 Draw a sketch map of your neighbourhood using different colours for different areas for example red for residential areas. Green for parks and play grounds, and yellow for commercial areas. Use symbols to mark out roads and special places like temple, post office, old monuments, and railways.
2	Hindi	1. Pata kijiye ki pedon ka swacch hawa se kya sambandh hai? Pedon ke katne se paryavaran par aur kya prabahv padta hai? Apni khoj ko chart par Chitra aur lekh dwara prastut karein. 2. Aam vishwa ka sabse priye fal hai. Iske baarein mein nimnlikhit binduon par jankari prapt kar ek report taiyaar karein aur unke chitra bhi chart par chipkayein. • Aam ka ithehaas aur aam ki vibhinn prajatiyan. • Bharat mein paida hone wale aamon ki prajatiyan unke utpadan ke sthaan. • Sanyukt parivar aur ekanki parivar ko chitra dwara prastut karein. • Samuhik Charcha _ Ladka , Ladki Ek saman Apne Vichar likhye .
3	Chemistry	1 Definition of Matter . Matter has Mass and occupies space- Explain. Composition of matter- brief Introcution. 2 Draw a well labelled diagram of the Evaporation process and water cycle on A-4 Size sheet.
4	Physics	Define volume . Express volume of an object in proper unit with proper symbol. Survey to find out which items are sold by mass and which by volume:-

		There are quite a large number of articles which are sold either by mass or volume . In general soilds are sold by mass and liquids by volume. However gases (such as liquefied petroleum gas (LPG) are sold by mass . For example, salt is sold by mass , kerosene oil is sold by volume and compressed oxygen is sold by mass . Identify from the following which ae sold by mass or volume Soft drinks sugar pulses steel compressed natural gas (CNG) Wheat Kerosene oil Milk Ice Cream Water Give reason to support your answer where ever applicable. Difference between Mass and Weight.
5	Biology	Define the term Tissue. Relate that plants and animal have different types of tissue. What is meristematic Tissue? How is it different from permanent Tissue. Draw diagrams of the Animal Tissue & Nerve cell. & Label them
6	Mathematics	Define Equal, Equivalent and Universal sets. . Define percentage and explain percentage as a fraction with denominator 100. Define with examples terms related to algebra like , constants, variable ,terms , coefficient of terms .
7	English	Identify five endangered animals and research the unique habitat of each animal or bird and list the details about the animal and what the greatest threat to its survival is. Write it on A-4 size sheet paper neatly. Read English newspaper daily and listen to English news at least once in a day. Read English story books and to improve your writing write at least one paragraph daily. Use your time constructively
8	Computer	PowerPoint presentation on 4 types of number systems of computer
9	GK	Cut & paste 15 headlines of May & June months in a scrap book from the newspaper related to your nation

Instructions to the Parents:

- Originality and creativity of the work will be appreciated.
- Holiday Homework should be done subject-wise in A4 rules sheets under your guidance.
- Kindly ensure that the completion of homework on time and tell your ward to practise for writing work which is very important for Board Examinations.

1. Add, each pair of rational numbers, given below, and show that their addition (sum) is also a rational number :

(i) $\dfrac{-5}{8}$ and $\dfrac{3}{8}$

(ii) $\dfrac{-8}{13}$ and $\dfrac{-4}{13}$

(iii) $\dfrac{6}{11}$ and $\dfrac{-9}{11}$

(iv) $\dfrac{5}{-26}$ and $\dfrac{8}{39}$

(v) $\dfrac{5}{-6}$ and $\dfrac{2}{3}$

(vi) -2 and $\dfrac{2}{5}$

(vii) $\dfrac{9}{-4}$ and $\dfrac{-3}{8}$

(viii) $\dfrac{7}{-18}$ and $\dfrac{8}{27}$

2. Evaluate :

(i) $\dfrac{5}{9} + \dfrac{-7}{6}$

(ii) $4 + \dfrac{3}{-5}$

(iii) $\dfrac{1}{-15} + \dfrac{5}{-12}$

(iv) $\dfrac{5}{9} + \dfrac{3}{-4}$

(v) $\dfrac{-8}{9} + \dfrac{-5}{12}$

(vi) $0 + \dfrac{-2}{7}$

(vii) $\dfrac{5}{-11} + 0$

(viii) $2 + \dfrac{-3}{5}$

(ix) $\dfrac{4}{-9} + 1$

3. Evaluate :

(i) $\dfrac{3}{7} + \dfrac{-4}{9} + \dfrac{-11}{7} + \dfrac{7}{9}$

(ii) $\dfrac{2}{3} + \dfrac{-4}{5} + \dfrac{1}{3} + \dfrac{2}{5}$

(iii) $\dfrac{4}{7} + 0 + \dfrac{-8}{9} + \dfrac{-13}{7} + \dfrac{17}{9}$

(iv) $\dfrac{3}{8} + \dfrac{-5}{12} + \dfrac{3}{7} + \dfrac{3}{12} + \dfrac{-5}{8} + \dfrac{-2}{7}$

4. For each pair of rational numbers, verify commutative property of additon of rational numbers :

(i) $\dfrac{-8}{7}$ and $\dfrac{5}{14}$

(ii) $\dfrac{5}{9}$ and $\dfrac{5}{-12}$

(iii) $\dfrac{-4}{5}$ and $\dfrac{-13}{-15}$

(iv) $\dfrac{2}{-5}$ and $\dfrac{11}{-15}$

(v) 3 and $\dfrac{-2}{7}$

(vi) -2 and $\dfrac{3}{-5}$

5. For each set of rational numbers, given below, verify the associative property of addition of rational numbers :

(i) $\dfrac{1}{2}, \dfrac{2}{3}$ and $-\dfrac{1}{6}$

(ii) $\dfrac{-2}{5}, \dfrac{4}{15}$ and $\dfrac{-7}{10}$

(iii) $\dfrac{-7}{9}, \dfrac{2}{-3}$ and $\dfrac{-5}{18}$

(iv) $-1, \dfrac{5}{6}$ and $\dfrac{-2}{3}$

6. Write the additive inverse (negative) of :

(i) $\dfrac{-3}{8}$

(ii) $\dfrac{4}{-9}$

(iii) $\dfrac{-7}{5}$

(iv) $\dfrac{-4}{-13}$

(v) 0

(vi) -2

(vii) 1

(viii) $-\dfrac{1}{3}$

(ix) $\dfrac{-3}{1}$

7. Fill in the blanks :

(i) Additive inverse of $\dfrac{-5}{-12} = $ ....

(ii) $\dfrac{-5}{-12} + $ its additive inverse $= $ ....

(iii) If $\dfrac{a}{b}$ is additive inverse of $\dfrac{-c}{d}$, then $\dfrac{-c}{d}$ is additive inverse of ....

And so $\dfrac{a}{b} + \dfrac{(-c)}{d} = \dfrac{(-c)}{d} + \dfrac{a}{b} = $ ....

8. State, true or false :

(i) $\dfrac{7}{9} = \dfrac{7+5}{9+5}$

(ii) $\dfrac{7}{9} = \dfrac{7-5}{9-5}$

(iii) $\dfrac{7}{9} = \dfrac{7 \times 5}{9 \times 5}$

(iv) $\dfrac{7}{9} = \dfrac{7 \div 5}{9 \div 5}$

(v) $\dfrac{-5}{-12}$ is a negative rational number

(vi) $\dfrac{-13}{25}$ is smaller than $\dfrac{-25}{13}$.