GURUKUL INTERNATIONAL SCHOOL, HALDWANI
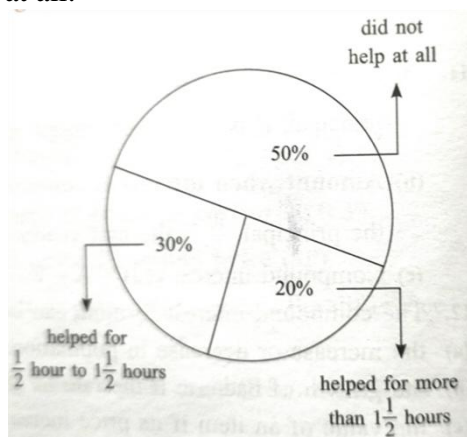
HOME WORK FOR WINTER BREAK (2025-26)

Class- VIII

ENGLISH –
1   Compose a poem about an imaginary trip with friends or family, bringing the journey to life through expressive and imaginative language.
2   Give a character sketch of Sarojini Naidu covering her family background, physical traits, personality, literary work and achievements.
3   Social Media connects people but can create problems. Discuss four disadvantages of social media, three ways to use it safely and compare communication methods in earlier times and today.
4   Write a speech on "Mental Health and Physical Well-Being are Interconnected."
5   Collect four articles on lack of sleep affects concentration and academic performance.
6   Inspired by a poem "The Last Bargain" from your text book, write a short poem on "Freedom over Wealth."

MATHEMATICS –
1   Draw an isosceles triangle of side 5cm and 8cm draw a median to divide it into two . Calculate the area of both and write your observation.
2   Draw a double bar graph representing and females of Uttarakhand, Uttar Pradesh, Punjab, Gujarat and Himachal Pradesh.
3   Amit is flying a kite. The kite is flying high in the sky, directly above his friends house, which is 28 m away from him. He could make out that about 53 m of thread is already in the air. Find the height at which the kite is flying.
4   A rectangular lawn is 180 m × 140 m. In the centre of the lawn two cross paths 8 m wide each are constructed at right angles. Each path is parallel to one of the sides of the lawn. Find
    a) The total area of the cross paths.
    b) The cost of travelling them at the rate of Rs 40 per square meter.
    c) The cost of turning the remaining portion at a rate of Rs30 per square meter.
5   Find the perimeter of a rectangle whose adjacent sides are 6a-10b-8c and 2a-6b+9c.
6   How many bricks will be required to construct a wall 20 m × 8 m × 6 m. If each brick measures 12.5 cm × 6 cm × 4 cm.
7   In a primary school, the parents were asked about the number of hours they spend per day in helping their children to do homework. There were 90 parents who helped for $\frac{1}{2}$ hour to $1\frac{1}{2}$ hours. The distribution of parents according to the time for which, they said they helped, is given in the figure; 20% helped for more than $1\frac{1}{2}$ hours per day; 30% helped for $\frac{1}{2}$ hour to $1\frac{1}{2}$ hours; 50% did not help at all.

On the basis of above figure answer these questions.
    a) How many parents were surveyed ?
    b) How many said that they did not help ?
    c) How many said that they helped for more than $1\frac{1}{2}$ hours ?

SCIENCE–

1 **Define**
   a) Electroplating
   b) Amplitude
   c) Fluid friction

2 Iqbal has to push a lighter box and Seema has to push a similar heavier box on the same floor. Who will have to apply a larger force. Give suitable reason.

3 Imagine that you are in a forest and suddenly lightning strikes. What will you do in such a situation?

4 Draw a neat and labelled molecular diagram of sound wave showing R are faction and Compression of air molecules.

5 Write an experiment to show that when light move from one medium to another medium it deviates from the normal.

6 **Case Study**
   Aim:
   To study the process of rusting in iron.
   Material Required:
   An iron nail, water, a test tube or glass tumbler.
   Procedure:
   Take a clean iron nail and place it in a test tube or glass tumbler containing water. Keep it undisturbed at a warm place for a few days.
   Answer the following questions
   a) What do you observe on the iron nail after a few days ?
   b) Why does this change occur on the iron nail ?
   c) What do you call this process ?
   d) Is rusting useful or harmful? Give reason.

7 Prepare a model of Periscope using cardboard, chart paper and colourful pieces of bangles.

SOCIAL SCIENCE–

1 **Define**
   a) Mixed farming   b) Colonialism   c) Social Justice   d) Literacy rate

2 With the help of a neat, labelled diagram, explain the stages of an industry from raw material to finished product.

3 Complete the following table.

Organisation/Movement	Year	Leader/Founder
Indian National Congress		
Muslim League		
Non-Cooperation Movement		
Civil Disobedience Movement		
Quit India Movement		

4 Prepare a clay model of urban planning with public facilities.

5 **Case Study**
   Ravi lives in a village in India. He studied in a local school and later learned computer skills at a near by training centre. After completing his training, he got a job in a city IT company. His sister, Meera, stayed in the village and helps her parents in farming. Ravi sends money back home to support his family, and sometimes he visits to help with agricultural work.
   a) Explain how human resources contribute to economic development.
   b) How did education and skill development help Ravi ?
   c) Do all people contribute equally to economic development ?
   d) Why is skill development necessary ?

HINDI –

1 मेरी सर्दियों की डायरी.
   छुट्टियों के किसी एक दिन का वर्णन अपनी डायरी में कीजिए।
   क) सुबह से रात तक की गतिविधियां
   ख) मौसम का वर्णन
   ग) आप की भावनाएं

2 नीचे दिए गए शब्दों का उपयोग करते हुए कहानी लिखिए।
कोहरा, मित्र, अलाव, सूप, खुशी
3 नीचे दिए गए विषयों में से किसी एक विषय पर चित्र बनाइए और उसका वर्णन कीजिए।
क) सर्द सुबह
ख) पहाड़ों में बर्फ
4 **मोबाइल की लत**
छुट्टियों में बच्चे मोबाइल पर ज्यादा समय बिताते हैं।
क) इससे क्या समस्याएं हो सकती हैं ?
ख) इस आदत को कैसे सुधारा जा सकता है ?
5 **समस्या समाधान** आत्मविश्वास की कमी
एक छात्र कक्षा में उत्तर जानते हुए भी बोलने से डरता है।
क) उसके डर का कारण क्या हो सकता है ?
ख) आत्मविश्वास बढ़ाने के उपाय बताइए ?
6 निम्नलिखित में से किसी एक विषय पर अनुच्छेद लिखिए (80 से 100 शब्दों में)
क) बढ़ता प्रदूषण
ख) विद्यार्थी जीवन पर प्रभाव

COMPUTER –
1 **Define the following term-**
   a) General AI
   b) Super AI
   c) Limited Memory AI
   d) Reactive Machine AI
2 How will you print numbers divisible by 4 between 4 to 44 ? Write code using while loop in python.
3 What is the concept of Forward and Backward Indexing in Strings in python ?
4 What is the difference between Lists and Tuples in python?
5 Draw / paste the Icons of 6 cloud based services and define them.
6 Write a python program using user define function 'Gis' that takes 3 arguments.
Pass the integer arguments and find their sum inside the definition.