

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

CLASS-IX

ENGLISH

- 1 Read any one of the following poems from the book "Beehive". Choose the stanza/line you like the most in the poem.
a) The Road Not Taken b) Wind
i) What situation do you think the poem reveals? Suggest some similar situations people come across through illustration.
ii) Suggest some remedies to cure the dilemma.
- 2 Write interesting stories in 150 words each on any two of the following themes.
a) comedy b) tragedy c) courage and heroism d) good vs evil
- 3 Make a video clipping of an advertisement on any product.
- 4 This year during the coming winter vacations your parents have decided to skip the family holiday. To spend your time usefully, you decide to take up gardening as a hobby. Write an article in 100-150 words on what you perceive are the benefits of taking up such a hobby.

MATHS

- 1 A, B, C, D, E, F, G, and H are seated around a square table, facing towards the center. Some of them are seated at the corners, while others are seated in the middle of the sides of the table. D is seated at the third position to the left of E. D is seated at one of the corners. H is not seated at any corner. G is seated at the second position to the right of H. H is not seated immediately next to D. There are exactly three persons between B and A. B is seated immediately next to F. B is not seated in the middle of any side.
On the basis of above information give the answer of following questions.
1) Who is seated at the third position to the left of G?
2) Who is sitting third to the left of G?
- 2 Compute the value of $9x^2 + 4y^2$ if $xy = 6$ and $3x + 2y = 12$.
- 3 Plot the points in the order given and join them with line segments. (1, -3), (5, 4), (4, -3), (9, 1), (7, 2), (8, 5), (5, 4), (5, 5), (3, 4), (4, 9), (2, 7), (0, 10), (-2, 7), (-4, 8), (-3, 3), (-5, 6), (-5, 4), (-8, 5), (-7, 2), (9, 1), (-4, -3), (-5, -4), (0, -3), (2, -7), (2, -6), (1, -3) Name the figure obtained by joining the ordered pair. (On graph)
- 4 In a certain code language, N is coded as 30 & COT is coded as 78. How will PET be coded as in that language?
- 5 In an examination 68% of candidates passed in mathematics & 62% of the candidates passed in statistics. While 40% passed in both the subjects. If 30 candidates failed in both these subjects. Find the total number of candidates.

AIL:

Activity: Design Your Dream City

Students use concepts from multiple chapters (coordinate geometry, circles, surface areas, and volumes) to design a model of a city. You can calculate distances, areas, and volumes of structures.

HINDI

- 1 भारत कई वर्षों तक हॉकी में विश्व विजेता रहा। यही कारण है कि इसे हमारे राष्ट्रीय खेल के रूप में अपनाया गया है। आपका प्रिय खेल कौन सा है। लिखिए।
- 2 हमें अपने आसपास होने वाले प्रत्येक घटना में विज्ञान देखना चाहिए। किस प्रकार रामन ने समुद्र का पानी नीला देखा। उनका मन जिज्ञासा से भर गया। जिसके फलस्वरूप उन्होंने रावण प्रभाव की खोज की। रामन प्रभाव को चित्र द्वारा स्पष्ट कीजिए।
- 3 आगे बढ़ती- महिलाओं की पुस्तक पढ़कर उनसे संबंधित चित्रों का संग्रह कीजिए एवं संक्षिप्त जानकारी प्राप्त करके लिखिए।

क.पीटी उषा

ख.आरती शाह

ग.किरण बेदी

4 विद्यार्थी अपने घर आए अतिथियों के सत्कार का अनुभव अपने शब्दों में लिखिए।

5 परियोजना कार्य

'जीवन संघर्षमय है' इसे घबराकर थमना नहीं चाहिए। इससे संबंधित अन्य कवियों की कविताओं को एकत्र कर एक कोलाज तैयार कीजिए।

SOCIAL SCIENCE

1 Draw a Timeline which represents major events with their Time Periods in Chronological order of socialism in Europe.

2 Define the terms-

a) Refrendum b) Bugyals c) Pseudoscientific d) Subsistence Crisis

3 Draw a map of India and mark the following.-

a) The Karakoram, The Zaskar, The Shivalik

b) The Peninsular rivers-The Naramada, The Tapi, The Kaveri

4 Explain all the programmes that have been developed for eradication of poverty in India.

5 On a chart paper draw all the Physical Features of India.

SCIENCE

Q.1 Prepare a project on the factors responsible for change in rainfall patterns in India.

Q.2 Polar bears and whales have thick layer of subcutaneous fat. Why?

Q-3. Explain Newtons' laws of motion. Give two examples of each from everyday life.

Q4. Describe the energy transformation taking place in a Hydroelectric power plant and a nuclear power plant.

Q5. Define the following

1) Isotope

2) Law of constant proportion

3) Atomicity

Q6. i)On the basis of Thomson's model of an atom, explain how the atom is neutral as whole.

ii) Helium atom has an atomic mass of 4u and two proton in its nucleus. How many neutrons does it have show electronic configuration of helium?

INFORMATION TECHNOLOGY

1. Make a poster on sustainable development. .

Material required :-Colour ,pencil ,A4 or A3 sheet.

2. Write the difference between relative and absolute referencing. Give one example of each?

3. Define following term:-

a) Fill handle

b) Zoom slider

C) slide sorter view

4. Write various Open Office calc keyboard shortcut.

5. Explain the use of Max() and Average ()function with the help of example.