



GRD WORLD SCHOOL, BHAIWALA, DEHRADUN

SUMMER VACATION HOLIDAY'S HOME WORK- 2025-26

CLASS – IX

MATHS:

DO 25 QUESTION BASED ON HOTS FROM RD SHARMA.

HINDI:

! दुःख का अधिकार ' पाठ के आधार पर लेखक और बुढ़िया में अपनी कल्पना से संवाद लिखिए।

. अब ऐसा कोई क्षेत्र नहीं है जहाँ महिलाएं आगे नहीं बढ़ रही है या सफल नहीं हो रही है।

वर्तमान समय में विभिन्न क्षेत्रों में

महिलाओं की उपलब्धियों पर एक परियोजना कार्य तैयार करे।

.रैदास के पदों में व्याप्त तत्कालीन समाज की विषमता के संदर्भ में अपना मत व्यक्त करे।

. दो अनौपचारिक पत्र लिखे।

ENGLISH:

Read the newspaper daily and write one news article under the headings like National, International, Sports and express your views on it.

Make a Pictorial project on the life of the poet – Robert Frost depicting the life , award and literary work.

SCIENCE:

Models: (BIOLOGY)

- 1) Plants (Permanent tissues)
- 2) Chloroplast
- 3) Mitochondria
- 4) Animals (Neurons, Muscular Tissues, Connective Tissues, Epithelial Tissues)

S.S.T :

1.Drow and label maps including

(1) Identify countries in the subcontinent

(2) tropic of cancer:- mark states crossed by the tropic of cancer

(3) mountain Ranges:- label range like the karakoram, Zaskar and vindhya range

(2) Make project file:-French Revolution

3) Learn question answers

History ch-1

Geo- 1,2,3



GRD World School, Bhauwala, Dehradun
Holiday Homework: Digital Documentation
Class: IX
Subject: Information Technology

Task 1: Create a Document

Create a digital document on any one of the following topics:

- My Favorite Festival
 - A Trip to a Historical Place
 - Importance of Reading Books
 - How to Stay Healthy
-

Task 2: Formatting the Document

In your document, apply the following formatting features:

1. Use **Title** style for the heading.
 2. Use **bold**, *italic*, and **underline** for important points.
 3. Change the font type and size (e.g., Times New Roman, 12 pt for body text).
 4. Use **bulleted** or **numbered lists** to organize information.
 5. Insert at least one **image** related to your topic.
 6. Add a **header** with your name and class.
 7. Add a **footer** with the page number.
 8. Use **alignments**: center the title, justify the body text.
 9. Insert a **table** with at least 3 rows and 2 columns related to your topic (for example, a table showing festival dates or health tips).
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Task 3: Save and Submit

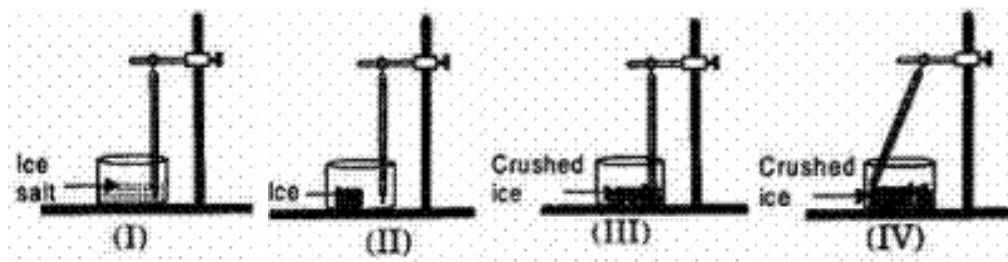
- Save your file as **YourNameClass.docx** (or .pdf).
 - Mail your document or pdf in grdworldexamcell@gmail.com
-

Bonus (Optional):

- Add **hyperlinks** in your document (for example, link to a website with more information on your topic).
- Use **spell check** and correct any errors.

CHEMISTRY
Chapter 01 Matter in Our Surrounding

1. The melting points of two solids [A] and [B] are 300 K and 350 K respectively. Which has stronger inter-particle forces? **(1)**
 - a. Both have the same inter-particle forces.
 - b. Both have the greater inter-particle forces.
 - c. Solid [B]
 - d. Solid [A]
2. Which one of the following decreases the extent of evaporation of water? **(1)**
 - a. Large surface area
 - b. High temperature
 - c. High wind speed
 - d. Large humidity.
3. Which of the following energy is absorbed during change of state of a substance? **(1)**
 - a. Latent heat
 - b. Hydro energy
 - c. Heat of solution
 - d. specific heat
4. Which one of the following is the correct set up to determine the melting point of ice? **(1)**



- a. I
- b. III
- c. IV

d. II

5. What is the physical state of water at 100°C ? **(1)**
 1. Gaseous
 2. Solid
 3. Liquid
 4. All of these
6. Suggest a method to liquefy atmospheric gases. **(1)**
7. What is the pressure at sea level? **(1)**
8. What is dry ice? Write its chemical formula. **(1)**
9. What is the physical state of water at:
 - a. 250°C
 - b. 100°C
10. In which of the following the particles have highest forces of attraction? Water, NaCl (solid), ice or, wax. **(1)**
11. You are given the following substances: Ethyl alcohol, glycerol, diethyl ether and water.
Arrange these compounds in increasing order of their rate of evaporation. **(3)**
12. The body temperature of a normal and healthy person is 98.4°F . What is the temperature on the Celsius scale? **(3)**
13. Differentiate between physical and chemical change? **(3)**
14. What type of clothes should we wear in summer? **(3)**
15. Describe the continuous motion of particles of matter with the help of an activity. **(5)**

PHYSICS
Chapter 09 Forces and Laws of Motion

1. On a 3 kg mass, 5 newton of force acts for 0.1 second. The impulse imparted to the mass is (in kg m/s) **(1)**
 - a. 0.16
 - b. 1.0
 - c. 1.5
 - d. 0.5
2. A force of 5 N applied on m_1 produces an acceleration of 8 m/s^2 and when applied on m_2 produces an acceleration of 24 m/s^2 . When they are tied together, the acceleration will be **(1)**
 - a. 3 m/s^2
 - b. 16 m/s^2
 - c. 6 m/s^2
 - d. 8 m/s^2
3. Which of the following is not used to reduce friction **(1)**
 - a. using ball bearing
 - b. using grease between contact surfaces
 - c. using oil between contact surfaces
 - d. making scratches on the contact surfaces
4. Water drops sticking to the wheel come out along the tangential line due to **(1)**
 - a. inertia
 - b. acceleration
 - c. momentum
 - d. force
5. “Internal forces are forces which bodies exert on each other when the bodies are part of the system” is **(1)**
 - a. false
 - b. partially false

- c. partially true
 - d. true
6. What is the total momentum of a bullet and a gun before firing? **(1)**
 7. State Newton's first law of motion. **(1)**
 8. What do you mean by a resultant force? **(1)**
 9. What do balanced forces usually do to a body? **(1)**
 10. State the meaning of recoil velocity of a gun? **(1)**
 11. A certain particle has a weight of 30 N at a place where the acceleration due to gravity is 9.8 m/s^2 **(3)**
 - a. What are its mass and weight at a place where acceleration due to gravity is 3.5 m/s^2 .
 - b. What will be its mass & weight at a place where acceleration due to gravity is zero.
 12. A bullet of mass 0.02 kg is fired from a gun weighing 7.5 kg. If the initial velocity of the bullet is 200 m/s, calculate the speed with which the gun recoils. **(3)**
 13. Explain, why is it difficult for a fireman to hold a hose, which ejects large amounts of water at a high speed. **(3)**
 14. A body of mass 2 Kg is at rest at the origin of a frame of reference. A force of 5 N acts on it at $t = 0$. The force acts for 4 s and then stops. **(5)**
 - i. What is the acceleration produced by the force on the body?
 - ii. What is the velocity at $t = 4 \text{ s}$
 - iii. Draw the vt graph for the period $t = 0$ to $t = 6 \text{ s}$.
 - iv. Find the distance travelled in 6 s.
 15. A 8000 kg engine pulls a train of 5 wagons, each of 2000 kg, along a horizontal track. If the engine exerts a force of 40000 N and the track offers a frictional force of 5000 N, then calculate: **(5)**
 - a. the net accelerating force;
 - b. the acceleration of the train; and
 - c. the force of wagon 1 on wagon 2.