SUMMER VACATION

2024-25

WHAT IS A HOLIDAY WITHOUT HOMEWORK?

Summer is here and with it comes your amazing holidays! But what's a holiday without some homework ……..

We hope you all have a rewarding summer and hopefully, you will quickly develop a daily mantra of, "What can I learn or discover today?"

Hence, here is the holiday assignment that is not just about writing but also about creating something unique and discovering yourself……..

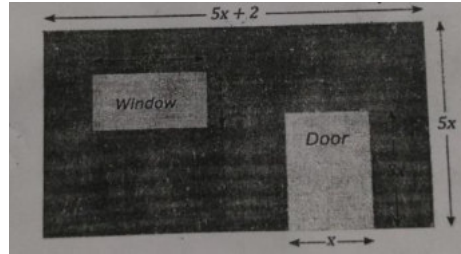**Note: Last date of submission: 5th September 2024**

INTERNATIONAL INDIAN SCHOOL AL MAJMAAH

HOLIDAY ASSIGNMENT (SUMMER VACATION) – [2024-25]

<u>CLASS – IX</u>

ENGLISH	1) Write articles on the following topics – a)Hard work is the key to success b)What if there is no money in the world 2)Write a story based on the following picture-
ARABIC	اكتب عن الحياة في القرية مرفقة بالصور او الرسومات :1 1: Write about the life in the village and stick (pictures or drawing. . اكتب في خمسة اسطر عن الجملة الاسمية :2 2: Write about the nominal sentences (5 lines n Arabic or English.
HINDI	अपनी किसी पर्वतीय स्थल / **या** पर्यटन स्थल की यात्रा का वर्णन करते हुए उस स्थान का नाम ,भौगोलिक स्तिथि ,जल वायु , रहन-सहन , खान-पान ,बोली के बारे में लिखें तथा उससे संबंधित चित्र भी लगाएँ ।

MATHS	1. Rahul is a creative person and loves to paint. During the lockdown, he painted a wall of his daughter's room with her favorite color olive green. He did not paint the area covered by the window and the door. The figure shows the dimensions of his daughter's room that he painted. Based on the above information, answer the following questions.

(a) What is the perimeter of the door?
(b) What is the area of the room including door and window?
(c) What is the area of the room painted by Rahul?
(d) And what is the degree of the polynomial obtained?

2. Simplify the following

(a) $(8+5-\sqrt)(8+5)$ $(8-5-\sqrt)(8-5)$
(b) $(10+3-\sqrt)(10+3)$ $(6+2-\sqrt)(6+2)$
(c) $(3-\sqrt+11--\sqrt)2(3+11)2 + (3-\sqrt-11--\sqrt)2$

3. Operation on real numbers & Algebraic identities

If $x = 3-13\sqrt{23}-132$, what is the value of $X2+1x_2 x^2+1x^2$?

4. Rationalise & find value of cubic expression
If $x = 18-60\sqrt{18}-60$, what is the value of $(x^3 - 5x^2 + 8x - 4)$?
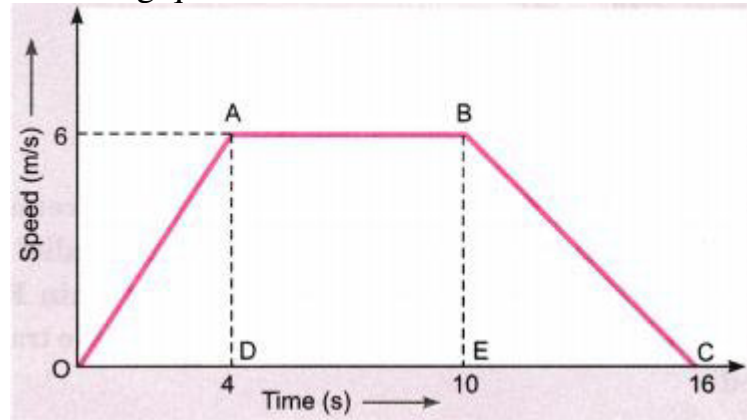
SCIENCE **Chemistry**	1. Sita lived in a village and could, not afford refrigerator in her house. She knew how to keep water cold and preserve all perishable items in her house. She kept wet cloth surrounding the earthen pot to keep water cool, she also kept vegetables fresh by keeping them in wet gunny bag and timely sprinkled water over it. (a) Why did Sita keep wet cloth surrounding the earthen pot? (b) Suggest one more method of keeping the house cool in summer. 2. Prasanna wanted to buy a deodorant from the shop. While buying a bottle he felt that it was slightly heavier than usual deodorant bottle that he purchased everytime. He read the weight mentioned on the bottle and told the shopkeeper to weigh the same. He found the bottle was heavy and on opening the deodorant bottle he found it half-filled with water. He complained the matter to the consumer authority. (a) Define density. (b) Apart from water what is the other substance that some shopkeepers add into the deodorant 3. During an experiment the students were asked to prepare a 10% (Mass/Mass) solution of sugar in water. Ramesh dissolved 10g of sugar in 100g of water while Sarika prepared it by dissolving 10g of sugar in water to make 100g of the solution. (a) Are the two solutions of the same concentration (b) Compare the mass % of the two solutions. 4. State the properties of the following- (a) Solution (b) Suspension (c) Colloidal Solution.

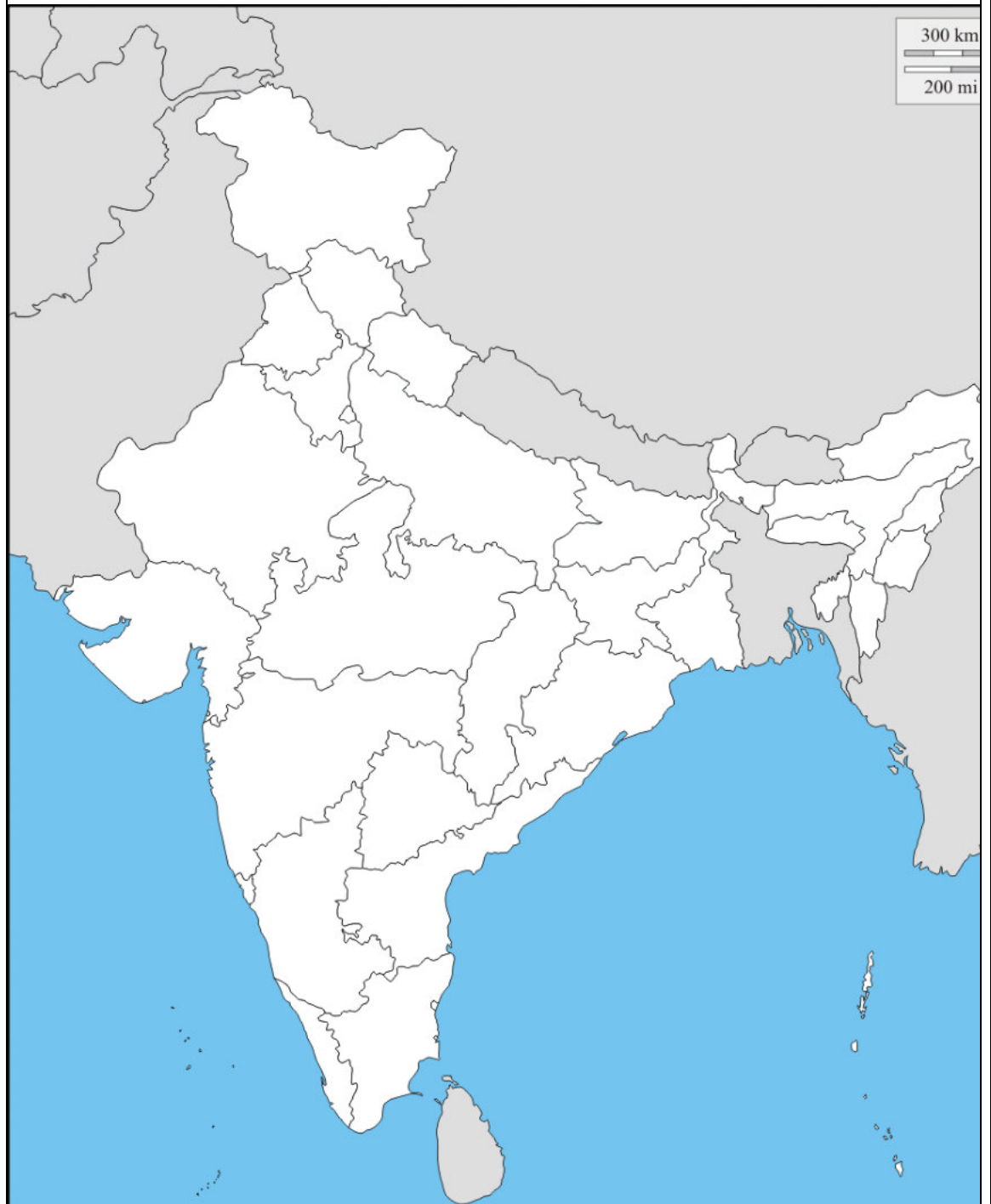|	
Physics	1. A particle moving with an initial velocity of 5m/s is subjected to a uniform acceleration of 2.5m/s^2. Find the displacement in the next 4 sec.? 2. Study the speed-time graph of a body given here and answer the following questions: (a) What type of motion is represented by OA? (b) What type of motion is represented by AB? (c) What type of motion is represented by BC? (d) Find out the distance travelled by the body from A to B. **3.** An object moves along a circular path of diameter 14 cm with constant speed. If it takes 2 min. to move from a point on the path to the diametrically opposite point. Find (a) The distance covered by the object (b) The speed (c) The displacement (d) Average velocity
Biology	CELL MODEL CONSTRUCTION 1. Construct a 3D model of plant or animal cell using material of your choice. (Label and color code the key structures within the cell.) OR 2. Draw the labeled diagram of plant or animal cell in chart paper.

SOCIAL	Geography - Mark the following on the Indian physical map:
	   i) The Himalayan rivers
	   ii) The Peninsular rivers
	   iii) Multipurpose rivers project (Bhakra-Nangal, Gandhi

Sagar, Hirakud)

History - Economic Policies of Lenin and Stalin. Analyze their
Effectiveness and impact on Soviet society and
economy.

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	1. Make a note each on the following: i) Himalayan river system ii) Peninsular river system (Note: Himalayan river system should include the Indus river system, Ganga river system and Brahmaputra river system. Peninsular rivers should include Mahanadi, Godavari, Krishna and Kaveri river systems)