ESTD:-2013

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R.M PUBLIC SCHOOL
(CBSE AFFILIATION NO.730072)
SESSION–2024 -25
Winter Holidays Homework
Class: - 11ᵗʰScience

Circular No. : 1435   **Date: 24-12-2024**

Dear Parents / Students

Greetings from RMPS Fraternity!

Books become permanent companions. Sometimes, they are born before us; they guide us during our life journey and continue for many generations.

..............*A.PJ ABDUL KALAM* ....

Winter vacations are a delightful escape from the routine, offering a chance to embrace the chilly enchantment of the season. Whether it's snuggling up with a book by the fireplace, embarking on a snowy adventure, or simply relishing the festive spirit, these moments become a tapestry of warmth in the midst of the cold. Here are some holiday activities designed for creative utilization of time. This winter vacation the holiday homework designed by the mentors of the school is a medium for you all to achieve the motto of "Fun and Learn".

- Neatness and hygiene are part of your routine.
- Holidays homework is a part of subject enrichment and will be assessed on the basis of creativity and efforts of the students.
- It'sa perfect time to enhance your speaking skills and vocabulary by conversing in English with your family and siblings.
- Reading is essential for those who seek to rise above the ordinary. Spend your quality time with reading purposeful books.
- A beautiful handwriting makes a good impression. Practice one page of English and Hindi writing daily.
- Schedule your time for activities so that there is no piling up for the last moment.
- Holiday homework should be your authentic creative work.
- The marks of holiday homework will be included in your Term-2 exam. Kindly deposit the holiday homework on below mentioned slots on 4th January 2025, later it will not be accepted by the class teacher.

SUBMIT HOLIDAYS HOMEWORK ACCORDING TO THE GIVEN SCHEDULE

DATE	SLOTS	ROLL NO.	TIMING
04-01-2025	FIRST	1 TO 15	09:00 am to 09:30 am
	SECOND	16 onwards	09:30 am to 10:00 am

SR. No.	SUBJECT/CLASS/ ROLL No.	TOPICS	ACTIVITY	MATERIAL REQUIRED
1.	ENGLISH	Writing Skill	R.no. 1 to 15 -Debate on the topic ' Are celebrities responsible for the products they endorse'? R.no. 16 onwards: Debate on the topic ' Homes for the aged are a necessity in India'. 2. Write a short writing task on a core memory close to you. Revise the Term 2 syllabus.	Do the homework on a separate notebook. Colours, A4 size sheets, Decorate the notebook properly.
2.	PHYSICS	Ch: Thermodynamics	Q1. In changing the state of a gas adiabatically from an equilibrium state A to another equilibrium state B, an amount of work = 22.3 J is done on the system. If the gas is taken from state A to B via a process in which the net heat absorbed by the system is 9.35 cal, How much is the net-work done by the system in latter case. (Take 1 cal=4.19 J) Q2. Why does the density of solid / liquid decreases with rise in temperature explain it. Q3. How do you explain the emission of long – wave length by the object	File, A4 size white & colourful sheets, colours , sparkle pens , pictures relevant with topic.

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			at low temperature ? Revise the Term 2 syllabus.	
3.	**CHEMISTRY**	Ch: Organic chemistry- some basics principles and techniques.	Q1. Give classification of organic compound with example using tree diagram. Q2.Write different types of redox reaction with 2 examples each. Revision of redox reaction chapter.	File, A4 size white & colourful sheets, colours , sparkle pens , pictures relevant with topic.
4.	**BIOLOGY**	Ch: Plant growth and development	Q1.Explain in 2-3 lines each of the following terms with the help of examples taken from different plant tissues? (a) Differentiation. (b) Dedifferentiation (c) Re-differentiation Q2. Why is abscisic acid called a stress hormone? Q3. What do you understand about photo periodism and vernalisation? Describe their significance. Note. Revision the chapter control and coordination.	File, A4 size white & colourful sheets, colours , sparkle pens , pictures relevant with topic.
5.	**MATHS**	Ch: Conic sections	Q1. The eccentricity of the hyperbola $9y^2 - 4x^2 = 36$ is a) $\sqrt{13}$. b) $\sqrt{13}/2$. C) 9/2. D) none of these Q2. if e and e' be the eccentricities of a hyperbola and it's conjugate, then $1/e^2 + 1/e'^2 =$	File, A4 size white & colourful sheets, colours , sparkle pens , pictures relevant with topic.

			Q3. The length of the perpendicular drawn from the point P(13,5,12) on x-axis is Q4. The coordinates of the foot of the perpendicular drawn from the point P(5,12,13) on y-axis are Q5. Find the distance between the points P(-2,4,1) and Q(1,2,-5). Revise the Term 2 syllabus.	
6.	**PHE**	Ch: Yoga	Q1. Explain Yogic kriyas in detail. Q2. Define training. Explain its concept and importance. Q3. Explain Adolescence , need and management. Q4. Explain changing trends briefly. Q5. Explain Paralympic and deaflymic Revise the Term 2 syllabus.	File, A4 size white & colourful sheets, colours , sparkle pens , pictures relevant with topic.
7.	**हिंदी**	पाठ: घर की याद पाठ: सबसे खतरनाक	प्र1. ऐसी पाँच रचनाओं का संकलन कीजिए , जिसमें प्रकृति के उपादानों की कल्पना संदेशवाहक के रूप में की गई है | प्र2. समाज में मौजूद खतरनाक बातों को समाप्त करने के लिए आपके क्या सुझाव है ?	A4 शीट और रंग

			द्वितीय सत्र पुनरावृति	
8.	**PAINTING**	Ch: Indian sculptures	Q1. Write down different sculptures of Indian temple Architecture. Explain anyone in detail. Q2. Write down the basic form of hindu temple. Where is Kandariya Mahadev temple located? Q3. Write down the introduction to Ajanta Art. Q4. Explain the technique of Ajanta painting. Revise the Term 2 syllabus.	File, A4 size white & colourful sheets, colours , sparkle pens , pictures relevant with topic.
9.	**PSYCHOLOGY**	Ch: Motivation and emotions Ch: Thinking	Q1.Write the importance of motivation and emotions in decision making. Q2.How thinking is important in our day to day life? Revise the Term 2 syllabus.	File, A4 size white & colourful sheets, colours , sparkle pens , pictures relevant with topic.
10.	**ENTREPRENEURSHIP**	Ch- Concept of Market	Q1. Define Product Mix. What dimensions of the product are to be considered by the entrepreneur herein? Q2. State and explain the main steps involved in marketing research process?	File, A4 size white & colourful sheets, colours , sparkle pens , pictures relevant with topic.

			Q3. Name the methods used for pricing? Define marketing mix. Draw a flow-chart showing the components and sub-components of the mix. Q4. Rajat is planning to open a retail shop selling high-end customized furniture. As a cost manager, advise Rajat on the costs required to transform his plan into a successful venture. Revise the Term 2 syllabus.	
7		Ch- Business Arithmetic		
11.	C.S	Ch: 1. Cyber Safety Ch: 2. Modules	Q1. Prepare a PPT on CYBER SECURITY that you have to present before class. Also get it's printout in a file to be deposited as homework. Q2. What are modules. Explain different types of modules in detail. Revise the Term 2 syllabus.	File, A4 size white & colourful sheets, colours , sparkle pens , pictures relevant with topic. Pen drive.

NOTE:

*Revise all syllabus done till date.

Regards
Vice Principal