

Delhi International School, Rohini
HOLIDAYS HOMEWORK (2018 -2019)



CLASS - IX

Dear parent,

Each task is carefully planned in order to make it student friendly and interesting. All the tasks are related to the topics covered in April/May in classroom by the students. This is an effort to reinforce the concepts and make learning an enjoyable experience. In case you need any clarification regarding the homework you may call at the school reception from 8:00 AM to 2:30 PM on all working days.

INSTRUCTIONS:

- 1. Submit all the holiday homework on the first day after summer vacation.**
- 2. Revise work done in all subjects till May**
- 3. Revise the syllabus for the cycle test I to be held in July.**
- 4. Follow the instructions carefully which is written before every subject.**



English

Q1. Read the following passage carefully and answer the questions that follow:-

1. Dussehra and Diwali leave us in a mess-physically speaking. After all the lavish indulgences, our body literally sends signals that it is time we slowed down. And there is a way out-removes the toxins.

2. Most people believe that going on a detox trip is like suffering a crash diet and a method to lose weight, which is wrong notion. Nutrition head of Gold's Gym Ashwini Sukumar explains that detoxification has its roots in traditional Chinese medicines that is also been used in ancient India, Asia and Egypt. It is the body's natural, ongoing process of neutralizing or eliminating toxins from the body. "A detox diet post Diwali blast is for those who want to bring their bodies back to its original condition following festival fun. You may decide to use a detox plan as a regular thing when you begin to feel the benefits and can use the principles again, depending on the extent of detox you are looking to achieve," she explains.

3. She also explains that it is necessary and important to go on a detox diet after binging on your favourite food. "Many chemicals we ingest daily, through food, water and air, are deposited as fat cells in our bodies. A diet that lacks certain nutrients may also impair our natural ability to detoxify chemicals, which further leads to their build-up in the body. So, it is necessary to go on a detox diet to cleanse all that. "States Ashwini. The benefits include improved digestion, and increased concentration and clarity.

4. Many people also go on such diets to lose weight, is it a good thing? We ask. "If you fast for several days, you will shed weight, no question. But typically, most of the weight loss is water loss and some of it may be muscle tissue. Fasting or detoxing for longer periods can also slow down your metabolism, making it harder to keep the weight off or lose weight later.

5. While, director of wellness chi-health, Sheela Krishnaswamy says, "modern medicine has no scientific-belief in detox diets because the liver, kidneys, colon and skin remove waste 132 products from our body on a daily basis, irrespective of what we may eat. But alternate therapists endorse detox diets very strongly, especially after a season of dietary excesses."

6. She also points out that working on such diets is a new concept. "Earlier women used to prepare sweets and snacks at home. They always knew what ingredients they would use and the preparation would also involve tedious work. Even if they binge the physical work that was involved during the preparation of these festivals would help them to cut down on the fat. But now everything is available on the shelf and of late, people prefer buying sweets at stores, where the calorie content is high," she states.

7. So what does a typical detox process entail? "cut back on sugary stuff. Have lot of vegetables, fruit juices, coconut water and exercise if you have gained weight. But, remember to detox only for day or two. "Don't go on a continuous crash, it will harm your body." She warns.

Now answer the questions that follow, based on your reading of the above extract:

1. What is the wrong notion harboured by most people about detox diets?
2. Is it a good sign to go on an extended diet to lose weight?
3. Why is it necessary to go on a detox diet?
4. What comprises of a detox diet?
5. Why does modern science not believe in detox diet?

Find words in the passage that mean the same as

1. Intake {para3}
2. Slow or dull {para6}

Q2. Choose the appropriate options and answer the following questions: -

(3marks)

- (a) The Nobel Prize winning, twice (a) ----- Prime Minister of the United Kingdom wasn't always as well regarded as he (b) ----- today. Winston Churchill struggled in school and failed the sixth grade. After

school he faced many years of political failures, as he was defeated in every election for public office until he finally (c) ----- the Prime Minister at the ripe old age of 62.

- | | | | |
|-----------------|-----------------|--------------|-------------------|
| (a) (1) elect | (2) elected | (3) electing | (4) being elected |
| (b) (1) is | (2) was | (3) is being | (4) were |
| (c) (1) becomes | (2) will become | (3) became | (4) become |

- (b) The first book, the iconic thriller Carrie, by Stephen king (a) ----- 30 rejections, finally causing king to give up and (b) ----- it in the trash. His wife fished it out and encouraged him to resubmit it, and the rest is history. King (c) ----- hundreds of books published, is the distinction of being one of the best -selling authors of all times.

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|------------------|--------------|------------------|------------------|
| (a) (1) Received | (2) receives | (3) has received | (4) will receive |
| (b) (1) threw | (2) throw | (3) will throw | (4) can throw |
| (c) (1) has | (2) had | (3) having | (4) have |

- (c) Oliver Stone, the Oscar-winning filmmaker (a) ----- his first novel while at Yale, a project that eventually caused him to fail out of school. This (b) ----- out to be poor decision as the text (c) ----- rejected by publishers and was not published until 1998.

- | | | | |
|---------------|---------------|--------------|----------------|
| (a) (1) began | (2) begins | (3) begun | (4) will begin |
| (b) (1) turn | (2) turning | (3) turns | (4) turned |
| (c) (1) be | (2) was being | (3) has been | (4) was |

Q3. Develop a **story** in about 150-200 words with the following beginning. Also give a suitable title. Martha decided to participate in the 100 m race on the Sports Day of her school. Her father warned her that it would need a lot of courage and stamina but_____.

Q4. There is an error in each line. Write the error and the corrections in the answer sheet as given below:-

The border dispute had resulted	(a) _____
in spoiling the relations among the	(b) _____
too nuclear neighbors. Kashmir is the	(c) _____
Bigger challenge to the political think –tanks.	(d) _____

Q5. Rearrange the given words and phrases to form meaningful sentences. Write the correct sentences in your answer sheet.

e.g: feathered giant/An albatross/is/a/with the/longest wingspan

An albatross is a feathered fan with the longest wingspan.

- (a) Use/they/their wingspan/ocean winds/ torrid/the
(b) Also/they /float/sea/surface/on/the/of the
(c) Other sea birds/they/salt water/ frink/as do some.

Q6. Watch the inspirational movie M.S. DHONI- THE UNTOLD STORY. Critically analysis the movie whether you like it or not. Write the main punch points of the movie which you like the most or don't like it. Write your review about the movie in your own words. (A4-SIZE COLOURED SHEETS).

REVISE ALL THE SYLLABUS DONE IN THE CLASS.



कक्षा - नौवीं

प्रश्न 1 निम्नलिखित शब्दों के वर्ण विच्छेद कीजिए

क चंचल -

ख इच्छा -

ग प्रा -

घ त्रिशूल -

ङ प्रवेश -

प्रश्न 2 निम्नलिखित वर्ण विच्छेद के लिए उचित शब्द लिखिए -

क प + उ + स् + त् + अ + क् + अ

ख व् + इ + ज् + ज् + आ + प् + इ + त् + अ

घ ब् + र् + आ + ह् + म् + अ + ण् + अ

घ म् + आ + र् + म् + इ + क् + अ

ङ न् + अ + क् + ष् + अ + त् + र् + अ

प्रश्न 3 अनुस्वार और अनुनासिक संबंधी सामान्य अशुद्धियाँ छाँटकर शब्द पुनर्लिखिए

क हंसमुख

ख अध्या

ग अंधेरा

घ संवारना

ङ हिन्सा

च कांच

छ ऊंट

ज पाद्या

इ काल

ज सन्यासी

प्रश्न 4 तीन मित्र जंगल में रास्ता भटक गए थे उनका आपस में संवाद लिखिए ।

[illegible]



दिल्ली इंटरनेशनल स्कूल रोहिणी

ग्रीष्मकालीन अवकाश अभ्यास पत्र

कक्षा - नौवीं

प्रश्न 1 एवरेस्ट शिखर के वातावरण का वर्णन अपने शब्दों में कीजिए ।

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प्रश्न 2 दिए गए चित्रों का वर्णन 25 से 30 शब्दों में कीजिए -



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Science

BIOLOGY

Task 1 - Prepare a Power Point Presentation of a biological phenomenon (Examples – Biogeochemical cycle, discovery of cell, working of cell organelles, types of tissues, diversity in plant kingdom, diversity in animal kingdom, vertebrates, acute diseases, chronic diseases, inflammation, vaccinations – past and present etc.

Task 2 - Consider a cell like your school. Each part of the cell (school) has responsibilities that must be done and certain organelles (people) to do them. Identify the functions of the following parts of the cell then identify which person does the same job. First one is done as an example to follow:--

ORGANELLE	DIAGRAM	FUNCTION	PART OF SCHOOL THAT HAS SIMILAR FUNCTION
Cell Membrane		Controls what goes in and out of the cell	Front Office
Mitochondria			

Ribosome			
Nucleus			
Cytoplasm			
Golgi Body			
Cell Wall (Only in plant cell)			



Subject: Chemistry

Q 1. Define the following terms:

- i) Condensation
- ii) Suspensions
- iii) Solubility
- iv) Boiling

Q 2. A solution contains 5.6ml of alcohol mixed with 75ml of water. Calculate the concentration of this solution.

Q 3. A 15% alcohol solution means:

- a) 15 ml alcohol and 85ml water.
- b) 15ml alcohol and 100 ml water.

Choose the correct answer.

Q 4. List the points of differences between homogeneous and heterogeneous mixtures.

Q 5. Classify the following into solutions, suspensions and colloids:

Soda- water, milk, brine, blood, ink, smoke in air, chalk water mixture, milk of magnesia, shaving cream, muddy river water.

Q 6. Convert the following temperatures to the Celsius scale:

- a) 293K
- b) 470K

Q 7. When water is heated to a temperature x, it gets converted into steam at temperature x by a process called R. And when steam at temperature x is cooled, it gets reconverted into water at the same temperature x by a process called S.

- a) How much is the value of x in Kelvin?

- b) What is the process R called?
- c) What is the name of the energy absorbed during the process R?
- d) What is process S known as?
- e) What is the name of energy during the process S known as?

Q 8. A solution contains 30g of sugar dissolved in 370g of water. Calculate the concentration of this solution.

Q 9. a) Differentiate between a saturated and an unsaturated solution. How will you test whether a given solution is saturated or not?

b) How would you prepare a saturated solution of sodium chloride in water at 25°C? What will happen if this solution is cooled to 10°C?

Q 10. The given mixture contains three constituents A, B and C. The constituent A is a yellow colored, solid element which dissolves in a liquid D. The constituent B is a blue colored salt which is insoluble in liquid D but dissolves easily in another liquid E. The constituent C is a liquid which is used in cooking food and forms a solid fat on hydrogenation.

- a) What do you think could (i) constituent A, and (ii) liquid D be?
- b) What could (i) constituent B, and (ii) liquid E be?
- c) What could liquid C be?
- d) How will you separate the mixture containing A, B and C?



Name: _____

Class: IX

Subject: Physics

Q 1. A) Define velocity. What is the SI Unit of velocity?

b) What is the difference between speed and velocity?

c) Convert the speed of 54km/h into m/s.

Q 2. A car is moving along a straight road at a steady speed. It travels 150m in 5 seconds:

a) What is its average speed?

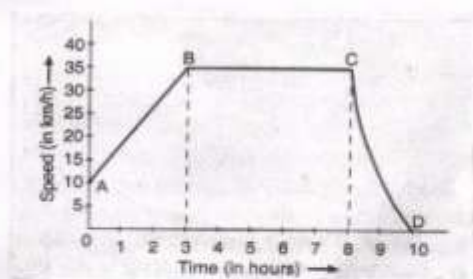
b) How far does it travel in 1 second?

c) How far does it travel in 6 seconds?

d) How long does it take to travel 240m?

Q 3. A bus stopped running at a speed of 18km/h is stopped in 2.5 seconds by applying breaks. Calculate the retardation produced.

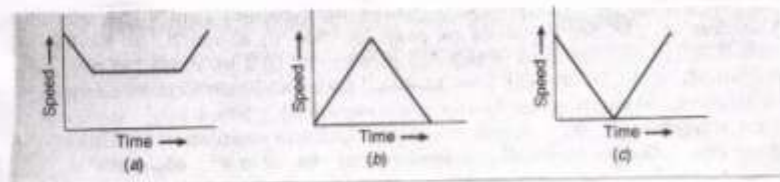
Q 4. The graph given alongside shows how the speed of a car changes with time:



i) What is the initial speed of the car?

- ii) What is the maximum speed attained by the car?
- iii) Which part of the graph shows zero acceleration?
- iv) Which part of the graph shows varying retardation?
- v) Find the distance travelled in first 8 hours.

Q 5. Three speed- time graph are given below:



Which graph represents the case of:

- i) A cricket ball thrown vertically upwards and returning to the hands of the throwers?
- ii) A trolley decelerating to a constant speed and then accelerating uniformly?

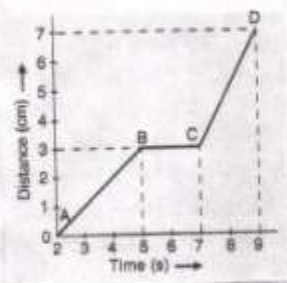
Q 6. Derive the third equation of motion by graphical method.

Q 7. Draw a velocity- time graph to show the following motion:

A car accelerates uniformly from rest for 5s; then it travels at a steady velocity for 5 s.

Q 8. The graph given alongside shows the positions of a body at different times. Calculate the speed of the body as it moves from:

- i) A to B
- ii) B to C
- iii) C to D.





Mathematics

- Q1. Commercial Maths has become an important sector in today's world. Prepare a project report on Banking Industry. The report should contain the following details:
- a) Introduction (history of banking system and how it started).
 - b) Types of banks in metropolitan cities and villages.
 - c) Function (role) of banks: i) How people get benefits from the bank? ii) How bank helps poor people and farmers by giving different types of loans?
 - d) Meaning of rate of interest.
 - e) Visit a bank nearby you and mention the rate of interest given by the bank for various deposits and loans.
 - f) How to calculate the rate of interest in saving banks deposits (using passbook) or R.D. schemes. (use Colored A-4 size ruled/blank sheets, colors; crayons, sketch pens etc.)
- Q2. A point C lies between two point A and B such that $AC = CB$. Prove that $AC = \frac{1}{2} AB$.
- Q3. Find the measure of an angle, if five times its complement is 12° less than twice its supplement.
- Q4. Given 4 distinct points in a plane. How many lines can be drawn using them when:
- a) all the 4 points are collinear?
 - b) no three of the four are collinear?
- Q5. State the Euclid's axioms.
- Q6. Write the coordinates of vertices of rectangle OABC, where O is the origin, length $OA = 5$ units lying along x-axis, breadth $AB = 3$ units and B lying in the fourth quadrant.
- Q7. Evaluate $(104)^3$ using suitable identity.
- Q8. Plot the points A(3,3), B(2,4), C(5,5), D(0,2), E(3,-3) and F(-5,-5) on a graph paper. Which of these points are the mirror images in (i) x-axis, (ii) y-axis?
- Q9. If both $(x - 2)$ and $(x - \frac{1}{2})$ are factors of polynomial $Px^2 + 5x + r$ show that $\frac{p}{r} = 1$.
- Q10. Express $0.6 + 0.\overline{7} + 0.4\overline{7}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
- Q11. Euclid divided his book "Elements" into how many chapters?
- Q12. If $x = \frac{(\sqrt{3} + \sqrt{2})}{(\sqrt{3} - \sqrt{2})}$ and $y = \frac{(\sqrt{3} - \sqrt{2})}{(\sqrt{3} + \sqrt{2})}$, find $x^2 + y^2$.
- Q13. Find $\sqrt[4]{\sqrt[3]{2^2}}$.
- Q14. If $\frac{x^2+1}{x} = 7$, then find the value of $x^2 + \frac{1}{x^2}$.
- Q15. If $+b = c$, then show that $b^2 + ac = c^2 - ab$.

- Q16. If both $(x - 2)$ and $\left(x - \frac{1}{2}\right)$ are factors of polynomial $px^2 + 5x + 8$, show that $\frac{p}{r} = 1$.
- Q17. In a school, cash awards were given for honesty, punctuality and obedience. Prize money for punctuality and obedience is half of that for honesty. Also, the prize money for obedience is half of that for honesty.
- (a) Is the prize money for punctuality same as that for obedience?
- (b) Why the prize money for honesty is higher than that for punctuality or obedience?
- Q18. Find the value of a and b, when $+b\sqrt{15} = \frac{\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}}$.
- Q19. Let x and y be rational and irrational numbers respectively. Are x+y and xy irrational? Justify your answer by an example for each.
- Q20. Find the value of $(x - a)^3 + (x - b)^3 + (x - c)^3 - 3(x - a)(x - b)(x - c)$ where $a + b + c = 3x$

PRACTICE QUESTIONS AT HOME...ATLEAST ONE HOUR..



Subject: Social Studies

Topic: The French Revolution

After a lot of discussions and explanations in the class about the chapter French Revolution, answer the following important questions for reinforcing the same. The answers should be written in a thin separate holiday homework notebook.

Q1 What were the challenges faced by Louis XVI on his accession?

Q2 How was French society organized under old regime?

Q3 Give a brief account of the taxes paid by third estate.

Q4 What is meant by subsistence crisis? Why it was so frequent in old regime?

Q5 Who are termed as middle class? What were their beliefs?

Q6. Name some prominent French philosophers. What were their theories?

How did they become popular in French society?

Q7. Give a brief account of estates general with special reference to its voting system. Why did third estate walked out of assembly?

Q8 Who leaded national assembly? Why was it formed?

Q9 Discuss the features of constitutional monarchy of France.

Q10 When and how France abolished monarchy and became a republic?

Delhi International School, Rohini
French Holidays Homework

1. Topic : J'aime lire (I love reading)

(On A3 sheet (any colour) make a book cover showing your love for French language)

2. Learn one French song/poem.

3. Conjuguez les verbes de la liste déjà donné (Conjugate the verbs from the given list)

4. Faites des phrases avec les noms et les verbes (Make sentences with nouns & verbs : 20 each)

5. La compréhension (lisez les deux textes et remplissez la grille)

(Read the two texts & do the questions. Use A4 white sheets for answers & Do neat work. Use ruler for making lines)

Comprehension 1

C'est la nuit. Les étoiles brillent dans le ciel. La lune **ronde** éclaire la campagne. Oh ! Que la nuit est belle ! Les arbres sont immobiles. Simone écoute la musique. En ville les magasins sont fermés. Tout s'endort peu à peu dans la musique. Pierre, lui, n'a pas le temps d'écouter la musique, car les grands examens s'approchent. On lui a promis un vélomoteur si ses notes sont bonnes. Alors il doit étudier ! Maintenant Simone est fatiguée. Elle a envie de dormir. Elle embrasse ses parents et son frère et elle monte à sa chambre à coucher. Elle se couche et s'endort . Elle a de la chance ! Mais Pierre, lui, ne fait qu'étudier.

1. Ecrivez les verbes , donnez l'infinitif et écrivez le sens

(Make 3 columns : Write the conjugated verbs from the text , give infinitive with its meaning) Ex :

1. Est	Etre	To be
--------	------	-------

2. Trouvez les adjectifs et écrivez tous les formes (Find the adjectives & write all the forms) Attention to the exceptions Ex :

English	Mas. Sing. Vowel	Mas. Sing. Consonant	Mas. Pl.	Fem. Sing.	Fem. Pl.
Round	Rond	Rond	Ronds	Ronde	Rondes

3. Trouvez les quatre articles (Find the 4 articles , put them in a box with heading on top & then write all the articles)Ex :

Article indéfini	Article défini	Article contracté	Article partitif
	La		

4. Trouvez les prépositions (Find the prepositions)

5. Trouvez les noms avec le masculin/féminin (Find the nouns with their genders m/f)

Comprehension 2

Madeline et Jacques vont dans un grand magasin avec leurs parents. Les parents veulent donner des cadeaux aux enfants. Les enfants achètent des montres *. À l'école, ils montrent leurs montres neuves à leurs amis.

La montre de Madeline est ronde et petite. Elle a un cadran noir et des chiffres rouges. Elle a deux aiguilles *. La grande aiguille est pour les minutes et la petite aiguille est pour les heures. Elle est jolie.

La montre de Jacques est rectangulaire et grande. Elle a trois aiguilles: une grande pour les minutes, une petite aiguille pour les heures et une autre pour les secondes. Le cadran de sa montre est blanc et les chiffres sont noirs. Elle est belle.

Les amis admirent les montres. Ils regardent l'heure. Elles marchent bien. Elles ne retardent pas. Elles sont excellentes !

*montres –wrist watch , * aiguilles – needles

(Same pattern of comprehension will be followed i.e. same Q1 to 5 to be in the same manner. Make separate boxes for both comprehensions)



COMPUTERS

1. Create a PowerPoint Presentation on Types of Hardware and Software.
2. Make a POSTER on 'SAVE INFORMATION BETTER KNOWLEDGE'.
3. Make a Time-Table of your class in an Excel worksheet and apply all formatting features, especially using the options of Alignment and Font groups.