

Dear students,

We want to extend our best wishes to each and every one of you. We hope that you and your loved ones are well and safe and that you are finding meaningful ways to spend your time during social distancing. The school is certainly feeling the loss of your presence, and hopefully we will overcome this period of isolation soon. Regardless, we have made a remarkable shift from our on-campus to off-campus education with your cooperation.

And while school is important, so is your physical and mental well-being. During this time, it is important to take care of ourselves and each other. While your school timings have reduced, maintaining a good daily routine is extremely important. It will help you keep a healthy balance of your activities and maintain self-discipline. Do immerse yourselves in things you enjoy but keep it balanced with your studies and other chores. Help your mothers in their house-hold activities so that she is not over-burdened with the work she does to take care of your family- set the table and do the dishes. Be kind to your siblings, spend time with them and help them out in whatever ways you can. Although you are no longer spending most of your time in school, we hope you figure out what you love and find out more about it. Your teachers may not be there with you to teach things, but we hope you are learning new things on your own as well by getting creative, such as painting, drawing, reading books, learning origami etc. One of the best ways to relieve stress is to do yoga or any other safe exercises. Developing a habit of exercising daily can help you on a long term to keep you mentally and physically fit. Be in touch with nature by avoiding junk foods, ice-cold water / eatables stored in refrigerators for a long time as these promote the lifespan of viruses. Always use fresh cooked food in a balanced manner to increase immunity which is the only alternative to fight against covid -19. Be happy, help each other /needy person.

Since summer is finally here, remember to keep yourself hydrated at all times. Avoid staying outside in the sunlight for long periods of time and drink a lot of fluids. And lastly, remember that we are all living through this extraordinarily frightening and difficult time together. But it is important that we do our duty as human beings by maintaining social distancing, sanitising ourselves etc. If we stay safe, other people will also remain safe. We hope to see you soon once this pandemic is over.

Note : We hope you do your home assignments with due diligence. **Kindly maintain a single notebook to do all the holiday assignments.** Your holiday assignments will be evaluated as a part of the terminal examination.

Stay safe!

Principal

class ix maths
Holiday home work

1—Insert 5 rational number between $3/5$ and $5/7$.

2—represent the following rational numbers on number line

(i) $-13/10$ (ii) $11/4$ / (iii) $25/4$

3—represent as decimal expansion tell about the type of? expansion eq

(i) $3/100$ (ii) $325/500$ (iii) $27/8$ (iv) $1/11$ (v) $1/13$

4—express in p/q form

(i) $0.33333333\dots$ (ii) $2.317317317\dots$ (iii) 0.41 (iv) $0.2454545\dots$

5—represent on number line (i) $\sqrt{3}$ (ii) $\sqrt{5}$ (iii) $\sqrt{6}$

6—visualise 4.6767 on the number line

7—rationalise the denominator of each

(i) $6/\sqrt{5}-\sqrt{3}$ (ii) $3\sqrt{2}-2\sqrt{3}/3\sqrt{2}+2\sqrt{3}$ (iii) $1/(3-\sqrt{5})$ 8—simplify— $9^{1/3} \times 27^{-1/2} / 3^{1/6} \times 3^{-2/3}$

9— if 2 is a zero of the polynomial $p(x)=x^3-2kx^2+kx-1$ find the value of k?

10—factorise

(i) $12x^2-23x+10$ (ii) $x^3+13x^2+32x+20$

11—without actual division prove that $-2x^4-5x^3+2x^2-x+2$ is divisible by x^2-3x+2

12— $x-1/x=3$ find x^2+1/x^2

13—find (i) $(-x-2y+6z)^2$ (ii) $(3x/2+1)^3$

(iii) x^6-y^6 (iv) $(x+5)(x^2-5x+25)$

14—prove that— $a^3+b^3+c^3-3abc=(a+b+c)(a^2+b^2+c^2-ab-bc-ac)$

15—solve the following—(i) $5(6-x)+1=x+1$ (ii) $3(7-2x)=14-8(x-1)$

(iii) $2(x+7)+5x+3=3(x+1)+6$

16—draw the graph of two lines whose equations are $3x-2y+6=0$ and $x+2y-6=0$ on the same graph paper. also find the area of triangle formed by two lines and axis

17—learn and write the all identities of chap2 on chart

18—write all the points or definitions of chap4

19—write factor theorem and how to it is used

20—write all types of angle on a chart paper with showing example and figure.

नव जीवन मॉडल सीनियर सेकंडरी स्कूल

कक्षा -IX

विषय- हिंदी कोर्स 'ए'

ग्रीष्मावकाश गृहकार्य

प्रश्न 1- वाख , कैदी और कोकिला कविताओं का सार अपने शब्दों में लिखिये।

प्रश्न 2- पशु पक्षियों से संबंधित कविताओं का संग्रह करके एक पत्रिका बनाइये।

प्रश्न 3- 'मेरे संग की औरतें' पाठ के 10 मुख्य बिंदु लिखिये।

प्रश्न 4- अनुप्रास, रूपक, श्लेष,उपमा, यमक, और उत्प्रेक्षा अलंकार , प्रत्येक का पाँच - पाँच उदाहरण दीजिये।

प्रश्न 5- निम्नलिखित विषयों पर 200- 250 शब्दों में निबंध लिखिये।

- पर्यावरण रक्षा
- समाचार पत्र
- पुस्तकालय

प्रश्न 6- निम्नलिखित स्थितियों पर संवाद लिखिये।

(अ) 'स्वच्छ भारत अभियान' की सफलता अथवा विफलता पर दो मित्रों के बीच संवाद

(ब) इंटरनेट के दुरुपयोग पर दो विद्यार्थियों के बीच संवाद

प्रश्न 7- ' कोरोना वायरस ' विषय पर परियोजना तैयार कीजिये।

"Class ix English Holidays Homework"

1. Write summary, Question and their answers of first five chapters of Beehive and Moments along with first four poems of Beehive.
2. Write ten difficult word meanings of all the taught chapters and poems, use them in your own sentences.
3. Write the structure and uses of all tenses, and make 10 sentences for each Tense.
4. Write 100 verbs and write their past and past participle forms. Use these verbs in your own sentences.
5. Write a Diary on each Sunday, write about the important incidents of week in it.
6. Write an article on Corona, in about 200-250 words.
7. Write or paste important news headlines from any English newspaper in your notebook.
8. Write a letter to the Editor of The Times of India, New Delhi, about the condition of the poor workers and the negligence of the government to help them in reaching home.
9. Write a story starting with the following lines in minimum 250 words.

a. Once I was coming from a marriage with my friend at 11.30pm.....

b. Yesterday my father went to a doctor for the treatment of cough and cold , he told my father.....

10. Write about the changes in the world after Corona in about 200 words.

2020/05/18 07:48:17 H.H.A.{SCIENCE}
{ CLASS_IX }

2020/05/18 07:56:06

***Chapter 1.{Matter In Our Surroundings}

1_Mention three differences between evaporation and boiling.

2_Describe these terms.:(a).Latent heat of Fusion.

(b).Latent heat of Vaporisation.

3_Give reasons:(a).Steam produces more severe burns as compared to boiling water.

(b). Temperature of a liquid does not change when it boils.

4_(a). Evaporation causes cooling.Explain this Statement.

(b). Write any two examples related to the statement mentioned above.

5_State the reason:(a).Gases exert Pressure on the walls of the container.

(b). Water is liquid at room temperature.

***Chapter .5.{The Fundamental Unit Of Life}.

1_Draw the well labelled diagrams of(a).Plant Cell.

(b). Animal Cell.

2_Mention six(6) differences between a

prokaryotic cell and a eukaryotic cell.

3_Write six(6) differences between a plant cell and an animal cell.

4_State the reason: (a). Mitochondria are called the Power House of the cell.

(b).Lysosomes are called the Suicidal Bags of the cell.

5_ Explain these terms: (a). Diffusion (b). Osmosis (c). Plasmolysis.

***Chapter .8.{ Motion }

1_Give two differences between(a). distance and displacement (b).speed and velocity.

2_Describe acceleration and retardation with detailed information.

3_Draw and explain all the various graphs related to distance& time And velocity& time.

4_Derive the first,second and third equations of motion.

5_A car accelerates from 6 m/s to 16 m/s in 10 seconds.Calculate ,(a). the acceleration (b) the distance covered by the car in that time.

***Chapter.13.{ Why Do We Fall I'll }.

1_Mention any three (3)diseases caused by Bacteria,also write their symptoms,preventive measures etc.

2_Write names of any three (3)Viral

diseases, also their carriers, symptoms, preventive measures etc.

3_Name any three (3) diseases caused by Protozoans, also write their vectors, symptoms, preventive measures etc.

4_Give a detailed account on AIDS and COVID-19.

5_Write the importance of personal hygiene and public hygiene.

***Chapter..2.{Is Matter Around Us Pure}.

1_Write(in detail) about all types of Colloids with their separate examples.

2_Give six(6) differences among Solution, Colloid and Suspension.

3_Write a proper detailed account on all the various separation methods for all the types of mixtures I.e. Solid&Solid, Solid&Liquid and Liquid&Liquid.

4_Explain the terms:(a).Brownian motion (b).Tyndall effect.

5_Write five(5) differences between a physical change and a chemical change along with 3_3 examples of each.

"We Wish You Happy And Safe Summer Vacation."

NAV JEEWAN MODEL SR. SEC. SCHOOL,

DLF ANKUR VIHAR

Holiday Homework (2020-21)

Subject-SOCIAL SCIENCE

Class- IX

Write and learn answers of the following questions –

1. Short note on – Maximilien Robespierre, Napoleon Bonaparte, Olympe De Gouges.
2. French society during the late 18th century through diagram.
3. Write the Glossary/ New words mentioned in Chapter-1 of History.
4. Describe location of India with the help of map.
5. Short note on – Tropic of Cancer, strait, Peninsula.
6. Name of neighbouring countries of India.
7. Prepare a write up on your own state.
8. Describe factors of Production.
9. Short note on – HYV Seeds, Modern machinery.
10. Describe Non-Farming activities.
11. Give the arguments against and argument for democracy.
12. What do you mean by democracy? Describe its features.
13. Why representative democracy is necessary?

Activity

1. Make a flow chart on subsistence crisis.
2. Draw political symbol which were used in French revolution.
3. Draw a map of India and locate its neighbouring countries and its extension.
4. Prepare a chart on – Fundamental Rights.
5. Draw national flag of France and write National Anthem with its writer's name.

Nav Jeewan Model Sr. Sec School

Holiday Homework

Class – IX

Computer

1. Define the term communication. List the element of communication process.
2. How does education affect chances of attaining a job? And what role do communication skills play?
3. Write difference between verbal and non-verbal communication. With example.
4. 'Behavior does not always reflects attitude'. Explain the statement with the help of an example.
5. Do you think our life would have been different with existence of computers? How.
6. Which of two sets of words should be typed in search engines to get more appropriate results?
 - a. <your school name and location>
 - b. Which is the first driverless train in the world?
7. Write short note on the following:-
 - a. MP3
 - b. AVI
 - c. WAV
 - d. PNG
8. Define a web page, web server and website.
9. What is computer? Write its characteristics and applications.
10. Define different parts of computer with their diagram.
11. Write about fundamental and types of computer.
12. Enlist basic file operations with their functions.
13. What is internet? Write different type of internet.
14. Why are the domain names different?
15. Good communication is what separates a poor leader from an exceptional one. Justify your answer.
16. 'Your perception is your reality'. Justify the statement.
17. Elucide with the saying 'seeing is believing' with the help of an example.
18. Explain the concept of audio streaming.
19. Write about E-learning and E-commerce. With Example.
20. Prepare a presentation on any topic related to your book.