

NAV JEEWAN MODEL SR. SEC. SCHOOL

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 household 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!**

Assignment -1

CLASS-10

ENGLISH

1. Trace the history of apartheid and prepare a colourful project depicting the same. Use colourful pictures and illustration. Based on the chapter Nelson Mandela.
2. Extract spiritual or environmental articles from English newspaper between 1st June to 15th June and paste them in a activity file.
3. Prepare a dictionary of synonyms and antonyms having minimum five words of each alphabet (new words) with meaning to enhance the vocabulary . Cover it with beautiful cover and put a book mark in it with a moral value written on bookmark.
4. Write a notice informing about the summer vacation camp in your school. In your notebook.
5. Write a daily diary entry of your day.
6. Design a colourful poster for a rally to promote health care in our country. Paste pictures or make colourful drawing to light your message.
7. Read the book biography of Helen Keller (story of my life) and write down the summary of it. (PDF is attached)

Social Science

- 1) Make a project on any one topic
 - Sustainable development
 - Consumer Awareness
 - Social problems
- 2) On the political map of India, locate the following dam.
Salal Dam, Bhakra Nangal Dam, Tehri Dam , Rana Pratap Sagar Dam , Sardar Sarovar Dam , Hirakud Dam , Nagarjuna Sagar Dam, Tungbhadra Dam .
- 3) Write down the power sharing model of Srilanka and Belgium.
- 4) In the world political map locate the Country that adopted federalism.
- 5) Write down the 10 subjects of union list , state list and concurrent list each.
- 6) On the political map of India locate the following thermal power plant.
Namrup, Singrauli, Ramagundam .
- 7) Write down the unification process of Italy and Germany .
- 8) Write down the impact of French revolution in Europe.
- 9) Compare the states of India on the basis of percapita income, literacy rate , infant mortality rate

हिंदी

- 1) सूरदास के पदों तथा तुलसीदास के राम लक्ष्मण और परशुराम संवाद पाठों का भावार्थ लिखें
- 2) नेताजी का चश्मा तथा बालगोबिन पाठों का सार लिखें
- 3) माता का आँचल पाठ के मुख्य बिन्दु लिखें
- 4) निम्नलिखित विषयों पर 120 शब्दों में अनुच्छेद लिखें
 - 1) आज़ाद देश के 75 साल और भविष्य की उम्मीदें
 - 2) जीवन संघर्ष का दूसरा नाम
 - 3) समय होत सबसे बलवान
 - 4) वन एवं वन्य सम्पदा क्या है ?
- 5) पत्र लिखिए

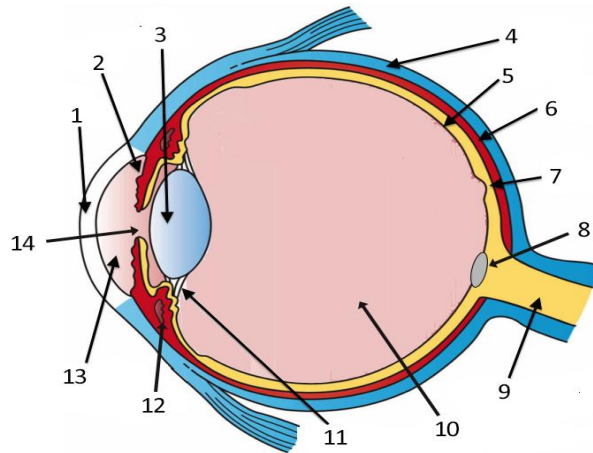
आप का मित्र शिमला में रहता है। आप उसके आमंत्रण पर ग्रीष्मावकाश में वहाँ गए थे और प्राकृतिक सौन्दर्य का खूब आनंद उठाया था। घर वापस लौटने पर कृतज्ञता व्यक्त करते हुए मित्र को पत्र लिखें।

- 6) अपने भविष्य के बारे में आप के क्या विचार हैं? और इस दिशा में क्या कर रहे हैं? यह स्पष्ट करते हुए अपने पिताजी को पत्र लिखें।
- 7) रचनात्मक कार्य-
 - 1) तुलसीदास तथा सूरदास का व्यक्तित्व एवं उनकी रचनाओं का उल्लेख लिखें।
 - 2) हिंदी के महीनों का एक कैलेंडर बनाइये। पंचांग कैलेंडर (चैत्र से फाल्गुन)

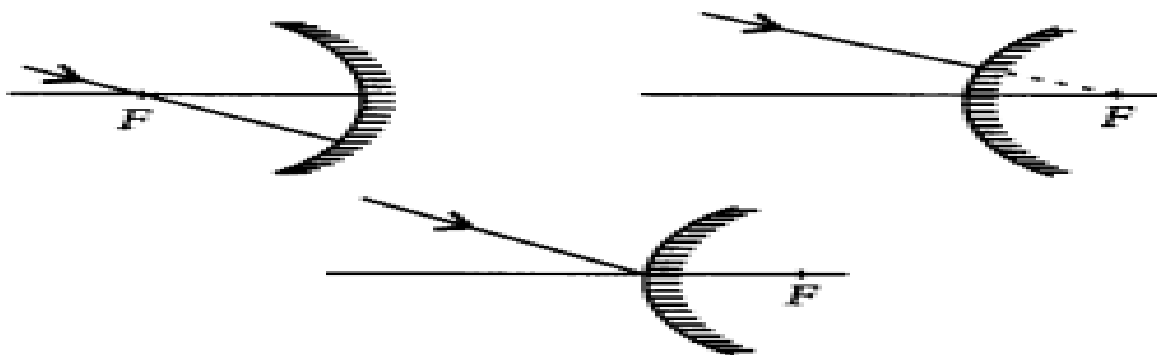
Physics

1. Label the parts of Human eye.

2. Draw the following diagram in which a ray of light is incident on a concave/convex mirror, on your



answer sheet. Show the path of this ray, after reflection, in each case.



3. Place a large shallow bowl on a table and put a coin in it.

4. Move away slowly from the bowl. Stop when the coin just disappears from your sight.

5 Ask a friend to pour water gently into the bowl without disturbing the coin.

6 Keep looking for the coin from your position. Does the coin become visible again from your position? How could this happen?

7 .Make a flash cards of chapter – Light and Human eye.

Biology

1. Take some fruit juice or sugar solution and add some yeast to this. Observe the products of fermentation and write them on assignment notebook.
2. Make a table for some important hormones and their functions on assignment notebook.
3. Visit a health center in your locality and find out what is the normal range of haemoglobin content in human beings. Make a proper table for it.(for children and adults).
4. Wet a slice of bread and keep it in a cool ,moist place, observe the surface of slice and record your observation in assignment notebook.

Maths

All activities do in your lab manual work book and use diagram and graph papers where need.

Activity-1 write about two Indian mathematicians and their useful work in mathematics.

Activity-2 To make a graphical exploration of zeroes of a quadratic polynomial.

Activity-3 Given a system of simultaneous equations such that $a_1/a_2 = b_1/b_2 \neq c_1/c_2$ to demonstrate graphically.

Activity-4 To solve a quadratic equation say $x^2+4x-60=0$ by the method of factorisation, using paper cutting,pasting etc.

Activity-5 To derive a formula for the sum of first n natural numbers.

Worksheet work-

Chapter-1 real numbers page 3-20

Chapter 2 polynomials page 35-60

Chapter3 pair of linear equations in two variables page 65-98

Chapter-4 Quadratic equations Page 99-126

Complete it in worksheet.

Chemistry

1. Write about ten examples of chemical reactions which happen naturally.
2. Make 20 multiple choice questions each from chapter 1, and 2 from NCERT textbook in your home work Notebook.
3. Make any one working model on any topic of your choice and write in detail about it also.
4. Write down an article on the issue of pollution and environmental degradation in about 1000 words.
5. Make a chart and write all chemical formula and name of compound using following captions and anions
Cations $\text{Na}^+, \text{K}^+, \text{Ag}^+, \text{Cu}^{2+}, \text{Mg}^{2+}, \text{Ca}^{2+}, \text{Zn}^{2+}, \text{Fe}^{2+}, \text{Fe}^{3+}, \text{Cu}^+, \text{Cu}^{2+}, \text{H}^+, \text{NH}_4^+, \text{Al}^+$
ANIONS : $\text{H}^-, \text{Cl}^-, \text{Br}^-, \text{I}^-, \text{O}_2^-, \text{S}_2^-, \text{N}_3^-, \text{OH}^-, \text{NO}_3^-, \text{HCO}_3^-, \text{CARBONATE}, \text{SULPHATE}, \text{SULPHIDE}, \text{PHOSPHATE}.$