

SANT NIRANKARI PUBLIC SCHOOL , NC
HOLIDAY HOMEWORK (2021-22) – CLASS X

ENGLISH

1. Complete the given assignments in a separate assignment notebook.
2. Revise all the chapters/poem done in the online classes.

3. PROJECT WORK

Nelson Mandela : “Long Walk to Freedom” is an autobiography , detailing his ascent from an anti-apartheid activist and Robben Island –jailed terrorist, to an ANC leader and a cultural icon. Read this chapter carefully and make

1. Wall Magazine - Roll 1 to 20
2. Flow Chart - Roll 21 to 45

NOTE : Project should be made on A-3 size sheet . It can be made attractive by pasting pictures on it.

विषय हिंदी

1. कबीर जी के दोहों में धार्मिक आडंबरों का विरोध मिलता है। आप 50 शब्दों में लिखिए कि इसके क्या कारण हो सकते हैं? कबीर द्वारा लिखित कोई भी दस दोहो को संकलित कीजिए, जो आज के समय में भी प्रासंगिक हैं ।
(यह कार्य अपनी उत्तर पुस्तिका में करें)

2. आपने बड़े भाई साहब पाठ में प्राचीन और वर्तमान शिक्षा प्रणाली के विषय में पढ़ा , इसी बात को आधार मानकर अपने घर अथवा पड़ोस के किसी वरिष्ठ व्यक्ति से उस समय की शिक्षा प्रणाली पर बातचीत कीजिए और अपनी आधुनिक शिक्षा प्रणाली के साथ तुलना कीजिए। इस सारी बातचीत को ,जो आपने दूसरे व्यक्ति से सुनी और अपनी शिक्षा में महसूस की उसको एक वीडियो के रूप में रिकॉर्ड कीजिए ।

यह वीडियो विद्यालय की वर्दी पहनकर पूरे हाव-भाव के साथ ही बनाएँ । वीडियो कम से कम 2 मिनट का अवश्य होना चाहिए ।)

3. शरीर के भिन्न-भिन्न अंगों पर आधारित कोई भी बीस मुहावरे एकत्रित कीजिए और चित्रों सहित उनके अर्थ लिखकर वाक्य में प्रयोग कीजिए । (यह कार्य है उत्तर पुस्तिका में ही करें ।)

4. डायरी का एक पन्ना पाठ आपने पूरे मनोयोग से पढ़ा है, इस इस पाठ को पढ़ने के उपरान्त अपने मन में आए विचारों को कम से कम 150 शब्दों में एक अनुच्छेद के रूप में लिखिए कि एक अच्छा नागरिक होने के नाते किसी भी संकट के समय आप अपने देश के लिए क्या कर सकते हैं?

(आपके द्वारा लिखा गया अनुच्छेद बिल्कुल मौलिक होना चाहिए ।)

5. बड़े भाई साहब और डायरी का एक पन्ना पाठ के प्रश्न - उत्तर याद करें,और दोनों पाठों से संबंधित 20 - 20 बहुविकल्पी (MCQ) प्रश्न बनाएँ तथा उनके उत्तर कॉपी में लिखिए ।

- + यह सारा कार्य आंतरिक मूल्यांकन के अंतर्गत जाँचा आ जाएगा।
- + कार्य आकर्षक, सृजनात्मक और प्रस्तुति योग्य होना चाहिए।
- + कार्य को आकर्षक बनाने के लिए विभिन्न रंगों और चित्रों का प्रयोग भी करें ।

विशेष :- (अभी तक कक्षा में जो भी पाठ पढ़ाए गए हैं उन सभी की पुनरावृत्ति कीजिए व संबंधित अभ्यास - कार्य को अपनी कॉपी में कीजिए ।)

तैयारकर्ता :- पंकज

(हिंदी विभागाध्यक्ष)

MATHEMATICS

Art integrated project:

1. Surface Area & volume:

Write definitions and related formulas of all Solid figures.

Draw figures of at least two articles by using combinations of solid figures and find their surface area and volume.(Take help of NCERT book)

2. Probability:

Write all the related terms of Probability and outcomes by:

- i) tossing of 1 coin, 2 coins and 3 coins
- ii) throwing of 1 die and 2 dice
- iii) outcomes of 52 playing cards by using art integration.

Note: Show your creativity by using best out of waste to complete your art integrated project.

Learning WORK

1. Assignment week 1 & 2 to be done in sheets and keep in portfolio folder.
2. Revise the work done till now.
3. Stay safe stay healthy

SUBJECT – SCIENCE (BIOLOGY)

ACTIVITY 1:

Do the following activities in your practical file

1. Preparing a temporary mount of a leaf peel to show stomata.
2. Experimentally show that carbon dioxide is given out during respiration
3. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides
4. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

ACTIVITY 2:

Make a presentation (Having 10-12 slides) on the topic:

Roll no 1-20- topic control and coordination in plants

Roll no 21- last roll no control and coordination in animals.

The children should also practice to deliver the presentation in the class.

SUBJECT – SCIENCE (CHEMISTRY)

1. Write the chemical formula of the following compounds.

(i) Lime (ii) Nitric Acid (iii) Plaster of Paris (iv) Sodium acetate (v) Baking soda (vi) Washing soda (vii) Bleaching powder (viii) King of chemical (ix) Lime stone (x) Common Salt.

2. Write the name of some (at least 10) chemical compounds that you use in your day to day life. Classify them as acids, bases and salts.

3. Write chemical equation for the following

(a) Barium chloride reacts with zinc sulphate to give zinc chloride and a precipitate of barium sulphate.

(b) Methyl alcohol burns in air it reacts with oxygen from air to form carbon dioxide and water.

(c) Solutions of silver nitrate is mixed with a solution of sodium chloride, a white precipitate of silver chloride is formed and sodium nitrate in aqueous.

(d) Aqueous solution of lead nitrate and sodium sulphate are mixed, a white precipitate of lead sulphate is formed along with sodium nitrate.

(e) Iron(III) sulphate (Ferric sulphate), on reaction with sodium hydroxide solutions, gives brown precipitate of iron (III) hydroxide and sodium sulphate.

4. Complete class work up to chapter – 1.

5. Complete homework up to chapter – 1.

6. Complete the all activity of chemistry in practical file.

7. Learn all lesson studied so far.

PHYSICS

- Learn and practice chapter 10 done so far.
- Practice all numericals of Chapter 10 given in NCERT book in separate notebook

➤ Learn and write following question in notebook.

1. A concave mirror produces three times magnified (enlarged) real image of an object 10 cm in front of it. Where is the image located?
2. Three mirrors, one plane, one concave and one convex are lying on the table. How can a person identify them without touching them or using any other apparatus or device?
3. Obtain the formula for the focal length of a lens in terms of object distance (u) and magnification (m).
4. In what S.I unit is the power of lenses stated? A convex lens has a focal length of 50 cm. calculate its power?
5. The refractive index of a dense flint glass is 1.65 and for alcohol it is 1.36 with respect to air. Find the refractive index of dense flint glass with respect to alcohol.
6. A concave lens has focal length of 20 cm. At what distance from the lens a 5cm tall object be placed so that it forms an image at 15 cm from the lens? Also calculate the size of the image formed?
7. State the mirror formula for determining the focal length of spherical mirrors write the meanings of the symbols used An object is placed at a distance of 25 cm. from a concave mirror of focal length 15 cm. calculate the distance of the image from the mirror.
8. Draw a ray diagram to show the use of a convex lens for the formation of images having the following characteristics.
 - (a) Real & inverted and diminished
 - (b) Virtual, erect & magnified.

SOCIAL SCIENCE

Dear Students,

This summer holiday homework is based on your social sciences curriculum. Every student has to compulsorily undertake any one project on the following topics:-

Consumer Awareness

OR

Social Issues

OR

Sustainable Development

Significance of doing a project on in social sciences

As students of social sciences and as conscious citizens, doing a project is going to give you a first-hand experience and opportunity to get yourself familiarise not only with the meaning, factors but also to gain an insight and deep understanding of the theme.

Guidelines to complete your project report

- 1 Topic for the project report
 - 2 The distribution of marks over different aspects relating to Project Work is as follows:

a) Content accuracy, originality and analysis	--	2Marks
b) Presentation and creativity	--	2 Marks
c) Viva Voice	--	1Mark
- The project needs to be done individually in a creative and neat manner.
 - The project report should be of 15-20 A-4 size sheets filed together and spiraled neatly.
 - You can cover / design the cover page as per your liking.
 - The Project needs to be handwritten. For diagrams/ graphs, use fine tip pencil for neatness. Stick pictures and articles neatly wherever appropriate giving them a fine outline.
 - The project should be presented in the following format:
 1. *Cover page*
 2. *Acknowledgement*
 3. *Index*
 4. *Introduction (A brief synopsis of your entire project report)*
 5. *Objective*
 6. *Analysis of your learning from the task*
 7. *Conclusion (A summary of your project report) A Summary Report should be highlighting:*
 - a) *objectives realized through individual work and group interactions.*
 - b) *calendar of activities.*

- c) innovative ideas generated in the process
d) list of questions asked in viva voce.
8. Bibliography (This should include clear mention of websites / URLs visited, newspaper and magazines referred, articles, information from any government department or other experts)

** The projects carried out by the students in different topics should subsequently be shared among themselves through interactive sessions such as exhibitions, panel discussions etc.*

3. Read newspaper daily to update and enhance your knowledge

CH-THE RISE OF NATIONALISM IN EUROPE

Q1} Why did French artist Frederic Sorrieu prepare a series of print based on democratic and socialist republics in 1848? Explain it.

Q2} Describe in brief any four features of the Vienna Treaty of 1815.

Q3} Explain any four provisions of the Napoleon Civil code 1804.

Q4} Examine the main features of the process of German unification under the leadership of Otto Von Bismarck

Q5} What role did Giuseppe Garibaldi play in the Unification of Italy?

Happy Holiday and Enjoy Learning

Information Technology

Do as directed

- Learn chapter 1 Communication Skills and do the question answers in your notebook.
- Neatly depict **barriers in communication** on A4 size sheet.
- Make an invitation letter in MS Word using Mail Merge to invite your relatives for the occasion of House Warming
- Collect pictures of Corona Warriors from google, make a collage in Ms Word. To do formatting and setting of pictures follow the hints given
 - ✓ Set page border
 - ✓ To insert a picture – Go to Insert Ribbon → Choose Picture
 - ✓ To format a picture – Select the inserted picture → Click on the Format Ribbon which will appear next to Help Ribbon and explore the various options given and make your collage attractive.