

**SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE, PASCHIM VIHAR
CLASS IX
HOLIDAY HOMEWORK (2022-23)**

Dear Parents,

The much-awaited summer break is here! Holidays are a well-deserved opportunity to relax and to involve in pleasurable activities. Along with all the fun activities, we would like to keep them productive and occupied with some academic work and activities.

Few worksheets of each subject have been prepared to help the child revise the concepts done in the classes. Please ensure that the child spend some time every day to complete these worksheets.

It's high time for all to be fit and active even by staying at home.

- ❖ Daily exercise is must for all.
- ❖ Eat healthy and avoid junk food.
- ❖ Maintain social distance to prevent the disease.
- ❖ Avoid heavy and oily food and increase intake of fresh fruits and water to keep You well hydrated and energetic.

Few tips for the parents:

- ❖ Encourage your child to read regularly and to point out new words, to look for it in the dictionary to enhance their vocabulary
- ❖ Encourage them to speak in English.
- ❖ Involve them in reading of newspaper.

Read the instructions carefully:

- ❖ The holiday homework carries marks.
- ❖ All the worksheets will be done on A-4 size ruled sheets and will be kept in a folder with student's name and class clearly written on the top.

**Wishing you all "Happy Holidays!"
Stay safe and happy.**



ENGLISH

❖ Read any one of the following story books/ E books and do the following questions:

- Pride and Prejudice- by Jane Austen
- The Invisible Man- by H.G. Wells
- Treasure Island- by R. L. Stevenson

- a. Make a book jacket.
- b. Write character sketches of any two main characters.
- c. Write its summary.
- d. Which character you liked the most and why?



- ❖ Write an article on the topic 'Importance of Education' taking help from the chapter 'How I Taught My Grandmother to Read' in 150 words.
- ❖ Suppose you are Chuck Hooper of 'A Dog named Duke' and you have been awarded by your company for your outstanding performance this year. Write a Diary Entry expressing your views in 150 words.
- ❖ You recently went to a famous stadium to watch your favourite IPL match in your neighbourhood. Write a report of your amazing experience in 150 words.
- ❖ Complete the given assignments on an A-4 size sheet and keep them safe with you in a clear bag.

WORKSHEET- 1

CH- HOW I TAUGHT MY GRANDMOTHER TO READ

I. Read the given extracts and answer the following questions briefly.

1. *"When I came back to my village, I saw my grandmother in tears. I was surprised, For I had never seen her cry even in the most difficult situations".*
 - a) Who is 'I' in the above extract? Where did she/he return from?
 - b) Why was the grandmother in tears?
 - c) What does the last line of the extract tell you about the grandmother's character?
2. *"For a good cause if you are determined, you can overcome any obstacle. I will Work harder than anybody but I will do it. For learning there is no age bar"*
 - a) 'Good cause' referred to here is?
 - b) What quality of the grandmother's character is revealed here?
 - c) Who helped the speaker in her 'good cause'?
3. *"We consider that as a mark of respect. It is a great tradition but today the reverse Had happened. It was not correct".*
 - a) What is 'that' here that is considered as a mark of respect?
 - b) '...but today the reverse had happened'. What is 'reverse' that had happened?
 - c) Why was it not correct?

II. Answer the following questions in 30-40 words each.

1. How does Triveni's *Kashi Yatre* reveal the social, cultural and religious side of Our society?
2. Why did the Grandmother identify herself with the main character of the novel *Kashi Yatre*?
3. When did the grandmother realize the worth and value of being literate?
4. What did the grandmother do to be literate? How was she successful?
5. How did the grandmother treat her granddaughter as her worthy teacher?

III. You are the author's grandmother. Write your feelings in the form of a diary entry when you received the novel, *Kashi Yatre*, from your granddaughter to read on your own.(80-100words)

IV. How did the grandmother keep up the tradition of paying respect to teacher? What does it show of her character?

WORKSHEET- 2

CH- A DOG NAMED DUKE

I. Read the following extracts and answer the questions that follow.

1. *He was already a hard – charging zone sales manager for a chemical company. Everything was going for him.*

- i) What does 'He' refer to here?
- ii) What happened to the sales manager?
- iii) What does the expression 'Everything was going for him' mean here?

2. *"Those who saw it said, the dog, knew instantly. He never jumped on Chuck again. From that moment he took up a post beside his master's bed around the clock".*

- i) What did the dog know instantly?
- ii) Where was the dog before his master was came from the hospital?
- iii) What does the phrase around the clock mean?

3. *"Secretly Marcy cried as she watched the big man's grin fade away. Severe face lines set in like cement as Chuck stared at the ceiling for hours, then out of the window, then at Duke."*

- i) Marcy cried secretly because-----
- ii) The expression 'severe face lines set in like cement' refers to----
- iii) Why would Chuck stare at Duke?

II. Answer the following in30-40words.

1. How did Chuck Hooper's excitement of homecoming wore off and Chuck hit a new low at home?
2. How did Hooper take his first step after the accident?
3. Why was the staff of the local branch office of the company amazed by Hooper's visit?

4. 'Why did Chuck's move present problems in the Company's headquarter?
What were they?
5. Why was Charles' promotion after Duke's death a be fitting tribute to Duke?

III. Answer the following in 75-100 words.

1. Duke was an extraordinary dog. What special qualities did he exhibit to justify this?
2. Write a diary entry to express your feelings when you read that Duke died after the accident.

HINDI

- ❖ पोशाक के महत्व पर दो मित्रों के बीच संवाद लिखिए। (चित्र सहित)
- ❖ अपने घर किसी अतिथि के आने के रोमांचक अनुभव को पत्र रूप में अपने मित्र को लिखें।
- ❖ प्रतिदिन समाचार पत्र पढ़ें। स्वर संधि के प्रत्येक भेद और अनुस्वार - अनुनासिक के 10-10 उदाहरण अपनी कॉपी में लिखें।
- ❖ चित्रकूट किस राज्य में स्थित है, जानकारी प्राप्त कीजिए।
भारत के नक्शे में दर्शाते हुए चित्रकूट की विशेषताओं पर चित्र सहित एक सुंदर प्रोजेक्ट तैयार कीजिए।
- ❖ चित्र वर्णन अपनी कॉपी में करें।



- ❖ दी गई कार्यपत्रिकाएं अपनी कॉपी में करें।

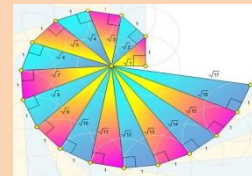
	लेखन कौशल
	पत्र
1.	धूम्रपान से होने वाली हानियाँ से अवगत कराते हुए अपने छोटे भाई को पत्र लिखिए।
2.	आधार कार्ड में सुधार कराने के लिए ग्राहक और अधिकारी के संवाद को लगभग 50-60 शब्दों में लिखिए।
3.	आतंकवाद को लेकर दो मित्रों के बीच हुई बातचीत पर संवाद लिखिए।

	अनुच्छेद लेखन
(i)	जीवन में खेल-कूद का महत्व संकेत बिंदु - • भूमिका • स्वस्थ शरीर में स्वस्थ अस्तित्व • खेल से शृणों का विकास • निष्कर्ष
(ii)	लड़का - लड़की एक समान संकेत बिंदु - • भूमिका • लड़का - लड़की में अंद • दूषित मानसिकता • निष्कर्ष
(iii)	सफलता का रहस्य संकेतबिंदु - • मानव सृष्टि की सर्वश्रेष्ठ रचना • इच्छाशक्ति • चुनौतियों का सामना • आशावादी दृष्टिकोण • कर्म की प्रधानता • निष्कर्ष

MATHS

DEAR STUDENTS,

- ❖ Complete the chapters done in the class
- ❖ Make a Chart according to your roll nos.
 - i) Algebraic identities (Roll no. 1 to 12)
 - ii) Formulae related to Surface area and Volume (Roll no. 13 to 26)
 - iii) Kinds of Quadrilaterals with properties. (Roll no. 27 to 38)
- ❖ Complete the following activities in Maths Practical file
 - **Activity 1** : To construct square root spiral.
- ❖ During your summer vacations, be innovative and creative to prepare a project on the given topic
 - ✚ Use A4 size colored sheets.
 - ✚ Take help from internet to gather the information required for your project.
 - ✚ Use colors and pictures to make your project attractive



'Literacy is a road to human progress'

Literacy is the fundamental human right. After independence, there has been the significant increase in the literacy percentage in North Eastern states of India.

Comparison of state wise literacy of North-East India according to 2001 and 2011 census

State	Literacy rate of 2001	Literacy rate of 2011
Arunachal Pradesh	54.3	65.4
Assam	63.3	72.2
Manipur	70.5	76.94
Meghalaya	62.6	74.4
Mizoram	88.8	91.3
Nagaland	66.6	79.6
Sikkim	68.8	81.4
Tripura	73.2	87.2

Represent the above data highlighting the growth in literacy rate of North Eastern states for both the years on the same graph.

Material required:

- A-3 size sheet
- Thread / wool / coloured pens
- 3Stud / Bindi / Sequins
- Fevicol



- ❖ Complete the under given assignments on A4 size sheet and keep that safe with you in a clear bag.

MATHS ASSIGNMENT CLASS IX CH: NUMBER SYSTEMS

Q1. The rational number between $\frac{1}{2}$ and $\frac{1}{3}$ is:

- a) $\frac{2}{5}$ b) $\frac{1}{5}$ c) $\frac{3}{5}$ d) $\frac{4}{5}$

Q2. A rational number equivalent to a rational number $\frac{7}{19}$ is:

- a) $\frac{17}{119}$ b) $\frac{14}{57}$ c) $\frac{21}{38}$ d) $\frac{21}{57}$

Q3. Rationlizing factor of $(2+\sqrt{3})$ is:

- a) $\sqrt{3}$ b) $2-\sqrt{3}$ c) $2+\sqrt{3}$ d) $3+\sqrt{3}$

Q4. Rational number between $\sqrt{2}$ and $\sqrt{3}$ is:

- a) $\frac{\sqrt{2}+\sqrt{3}}{2}$ b) $\frac{\sqrt{2} \times \sqrt{3}}{3}$ c) 1.5 d) 1.8

Q5. Which of the following is irrational ?

- a) $\sqrt{\frac{4}{9}}$ b) $\frac{\sqrt{12}}{\sqrt{3}}$ c) $\sqrt{7}$ d) $\sqrt{81}$

Q6. Between two rational numbers, there exist _____ number of rational numbers.

Q7. 0.737374568..... is _____ number.

Q8. Match the following:

Column I

Column II

(a) 12 is a

(i) prime number

(b) 2,7 are

(ii) irrational number

(c) 2 is a

(iii) composite number

(d) $\sqrt{2}$

(iv) co-prime number

Q9. Classify the following numbers as rational or irrational numbers with justification:

(i) $\sqrt{196}$ (ii) $3\sqrt{18}$ (iii) $\frac{\sqrt{12}}{\sqrt{75}}$ (iv) 0.5918 (v) $8-\pi$

Q10. Write three rational numbers between:

(i) -1 and -2 (ii) $\frac{1}{4}$ and $\frac{1}{5}$ (iii) 6.037575.... and 6.828282....

Q11. Write three irrational numbers between:

(i) 3.5 and 3.7 (ii) $\frac{1}{2}$ and $\frac{1}{5}$ (iii) 1.863... and 2.35353....

Q12. Construct the following numbers on the number line:

(i) $\sqrt{5}$ (ii) $\sqrt{3}$ (iii) $\sqrt{2}$

Q13. Visualise the following numbers on the number line, using successive magnification:

(i) 3.2727 (ii) 2.639

Q14. Express the following in $\frac{p}{q}$ form, where p and q are integers and $q \neq 0$.

(i) 0.03232..... (ii) 6.851851..... (iii) 5.9999.....

Q15. Simplify:

(i) $\sqrt{45}-3\sqrt{20}+4\sqrt{5}$ (ii) $4\sqrt{28} \div 3\sqrt{7}$ (iii) $7\sqrt{8} \times 5\sqrt{2}$
(iv) $9\sqrt{20} - 3\sqrt{2}$ (v) $(\sqrt{6} + \sqrt{5})(\sqrt{6} - \sqrt{5})$

Q16. Rationalise the denominator of the following:

(i) $\frac{\sqrt{2}+\sqrt{3}}{\sqrt{2}-\sqrt{3}}$ (ii) $\frac{5-\sqrt{3}}{5+\sqrt{3}}$

Q17. Rationalise and find the values of a and b:

(i) $\frac{7+\sqrt{5}}{7-\sqrt{5}} + \frac{7-\sqrt{5}}{7+\sqrt{5}} = a + \sqrt{5}b$ (ii) $\frac{3+\sqrt{11}}{3-\sqrt{11}} = a - \sqrt{11}b$

Q18. Simplify:

(i) $(\frac{81}{625})^{\frac{1}{4}}$ (ii) $(\frac{9}{25})^{\frac{1}{2}} \div (\frac{27}{125})^{\frac{1}{3}} \times (127)^0$

SCIENCE

During your summer vacations we expect you to do the following tasks:

- ❖ Complete notes and question answers of the chapters done in class.
- ❖ Cut a plastic bottle in your desired shape and plant a sapling in that.
- ❖ Do the following work according to Roll numbers allotted.
 - Make a model showing evaporation using Thermocol balls and straw.
 - Make a model of animal cell using waste material.
 - Make a model of plant cell using waste material.
- ❖ Complete the under given assignments on A4 size sheet and keep that safe with you in a clear bag.



Roll no. 1-10

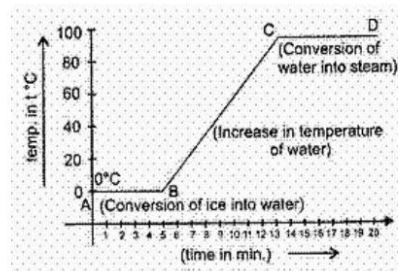
Roll no. 11-20

Roll no. 21-30

**SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE, PASCHIM VIHAR
CLASS IX
P+C WORKSHEET- I
CH- MATTER AROUND US**

1. Name the phenomenon which causes one crystal of potassium permanganate to turn a beaker of water purple.
 - a. Centrifugation
 - b. Filtration
 - c. Diffusion
 - d. Sedimentation
2. Name the state of matter that has minimum inter-particle force of attraction
 - a. Solid
 - b. Liquid
 - c. Gas
 - d. All of these
3. The inferences drawn by the temperature versus time graph are

- A. During the melting, temperature of substance does not change.
- B. Temperature rises after all amount of ice melts.
- C. At a specific temperature water starts boiling and temperature remains the same during the conversion of water into steam.



Which statement is correct regarding graph?

- a. Only (C) is correct
 - b. All (A), (B) and (C) are correct
 - c. Only (B) is correct
 - d. Only (A) is correct
4. Why are we able to sip hot tea or milk faster from a saucer rather than a cup?
 5. How does evaporation cause cooling?
 6. Discuss the various factors which affect the rate of evaporation.

**SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS -IX
WORKSHEET 1
TOPIC: CELL**

1. Fill in the blanks:
 - Transporting channel of the cell is.....
 - Chromosomes are made up of and.....
 - The infolding of mitochondria is known as
 - Storage sac of the cell is.....
 - Non-membranous organelle of cell is.....
 - Smallest cell in human is.....
 -is the full form of DNA.
 - ATP stands for.....
 - Cells which change their shapes are..... and.....
 - Largest cell in the world is.....
2. Give the structure and functions of following:
 - Endoplasmic reticulum
 - Mitochondria
 - Centrosome
 - Golgi bodies

SOCIAL SCIENCE

During summer vacations we expect you to do the following tasks:-

- ❖ Complete the notes and question answers of the chapters done in class.
- ❖ Read history chapter 2 [Socialism in Europe and the Russian Revolution] and chapter 3 [Nazism and The Rise of Hitler].
- ❖ Prepare project on **Disaster Management** in 10-12 A-4 size pages as per the roll no. allotted



- Identify the different hazards that your area is prone to and list them into three broad headings: natural, socio-natural and human induced. Enumerate some ways through which the impact of these can be reduced.

Roll no. 1 - 10

- Preparedness for a disaster –Are you prepared? Identify your role as a student, as a family member and as a member of RWA in pre, during and post disaster situation.

Roll no. 11 - 20

- Mitigation strategy for natural disasters like floods, earthquakes, landslides and cyclones.

Roll no. 21 - 30

- Mitigation strategy for human induced disasters like nuclear accidents, chemical and industrial accidents (Vishakhapatnam gas leakage) and biological disasters (like Coronavirus).

Roll no. 31 - 39

- ❖ Highlight the following points in the above given project

- Definition of 'Disaster'.
- What is a disaster management cycle?
- What are the types of Disasters?
- What is vulnerability and risk?
- What is a Hazard?
- Differentiate between hazard and disaster.
- Significance of Mitigation.

- ❖ Prevention and Mitigation of Common Disasters in India. Select the following disasters according to your Class Roll numbers:

- | | |
|--------------------------------|------------------------------|
| I. Earthquake and Landslides | (ROLL NO. 1-12) |
| II. Floods and Droughts | (ROLL NO. 13-26) |
| III. Any two manmade disasters | (ROLL NO. 27 onwards) |

Based on your selection above, enumerate the following key points in your project:

- Meaning
- Causes
- Do's and don'ts
- Prevention and mitigation measures

- Your emergency Kit
- Latest means of forecasting Disasters

Note- Support your project by using art integration methods like collage making, slogan writing, using waste material to depict the drawings in project, newspaper cuttings and other creative techniques a case study on any one of the Disasters.

WORKSHEET 1

CHAPTER-THE FRENCH REVOLUTION

Very Short Answer Type Questions

1. Who was the ruler of France during the revolution?
2. Name the three 'Estates' into which the French society was divided before the Revolution.
3. What was tithes?
4. What was taile?
5. Who formed the National Assembly in France in 1789?
6. Which class of society in France was behind the French Revolution?
7. On what charges was Louis XVI of France sentenced to death?
8. What was feudal system?
9. In which book did Rousseau mention the idea of one person, one vote?
10. What was the theme of the book 'The Spirit of the Laws' written by Montesquieu?
11. Which book has proposed a division of power within government?
12. Who proposed a division of power within government?
13. Name any four French philosophers who inspired the French people to revolt.
14. Who was the leader of the Jacobin Club?
15. Who abolished slavery in France?
16. Who wrote the 'Two Treatises of Government'?

WORKSHEET 2

CHAPTER- WHAT IS DEMOCRACY ? WHY DEMOCRACY ?

1. What does a candidate need before contesting elections in China?
2. In a democracy, the final decision must rest with those leaders or representatives who are _____ .
3. What is peculiar with ZANU-PF?

4. Democracy offers _____ .
5. The major challenges to democracy are _____ .
6. It is a system in which only those who are in power and their supporters are benefited, and excludes minorities and weaker sections.
7. When did Zimbabwe attain independence and from whom?
8. In which period did China face one of the worst famines that have occurred in the world?
9. Democracy improves the quality of decision-making because
10. What is the most common form of democracy in modern world?
11. Which body in the Indian political system is an example of direct democracy?
12. Name the country where women do not have the right to vote till 2015.

INFORMATION TECHNOLOGY

Dear students

Design a beautiful project file for Information Technology (402) subject and keep all the A4 size sheet and project work in the file.

Part – A (Research work)

Note: Do the following Homework on A-4 size sheet and keep the sheets in Project file.

- Draw a neat diagram of Input devices and explain its usage.
- Draw a neat diagram of Output devices and explain its usage.
- Explain the difference between Primary memory and Secondary memory
- List and explain any 5 areas where ICT is used or helpful.
- Define the following terms in context to Internet:
 - ❖ Website
 - ❖ Web page
 - ❖ Home page
 - ❖ Search Engine



Part – B (Project Work)

What to do: Design a poster on the topic “Make in India” in MS WORD.

Where to do: Do the work on computer and take the print out and keep in the project file.

Your Name Class and Section should be there.

Parameters: Creativity, Originality, Overall presentation

**** You can take the help of Internet.**

SEWA PROJECT

- ❖ Prepare the project according to Roll numbers allotted.
- ❖ Make your project on A4 size sheets and file it in your decorated cobra file.
- ❖ You can use pictures and colours to make your project attractive.

- | | |
|--------------------------------------|----------------|
| ➤ Importance of exercise | Roll no. 1-4 |
| ➤ Healthy diet | Roll no. 5-8 |
| ➤ Air pollution | Roll no. 9-12 |
| ➤ Water pollution | Roll no. 13-16 |
| ➤ Energy conservation | Roll no. 17-20 |
| ➤ Swachh Vidyalaya swachh Bharat | Roll no. 21-24 |
| ➤ Dignity of labor | Roll no. 25-28 |
| ➤ Care for homeless children | Roll no. 29-32 |
| ➤ Being safe and responsible | Roll no. 33-36 |
| ➤ Reduce, Recycle, Reuse and Respect | Roll no. 37-39 |

ART AND CRAFT

- ❖ Make Beautiful selfie frame
- ❖ Mandala Art on Medium size rock.
- ❖ Decorate all 6 cobra files as instructed in class.

