DELHI PUBLIC SCHOOL FIROZABAD

(UNDER THE AEGIS OF DELHI PUBLIC SCHOOL SOCIETY EAST OF KAILASH NEW DELHI)

(A SENIOR SECONDARY SCHOOL)

AFFILIATED TO CBSE, AFFILLIATION NO. 2133064SCHOOL NO: 61225

SUMMER VACATION HOLIDAY HOMEWORK
SESSION 2022-23

Objective of summer holiday home work is to keep you in touch with pedagogy and constructive use of time , it will help you to learn as per your pace by giving you ample opportunities to use your creativity . It is expected ,you will complete it by yourself and use only domestic material to design your project.

INSTRUCTIONS TO BE FOLLOWED FOR COMPLETING HOLIDAY HOMEWORK

1. Holiday homework must be completed on A-4 Coloured Sheets/ A-4 white sheet or as directed by concerned subject teachers.
2. Project work must be completed in time on a separate sheets and finally to be compiled subject wise.
3. Use domestic material to design your project work,
4. Originality and usability will be appreciated.
5. Formulate a time table during Summer Vacation ,it will help you to learn as well as give you quality time with family to enjoy.
6. Writing will play a vital role while completing your assignments, so take your time and write beautifully.
7. Holiday home work is an individual assignment, don't take help of friends and do it by yourself, it will help you to meet with self and create a sense of self-appraisal.
8. Submit your homework on 1ˢᵗ July to the concerned teachers in a paper bag.
9. The summer holiday assignment will be considered to provide internal marks and grades.
10. Maintain a dairy for daily entry, will certainly help you to introspect and self-analysis.
11. Reading daily Newspaper (English), some story books, autobiography, fictions, travelogues or classical will certainly help you to generate ideas and a lifelong wisdom.
12. Morning and evening games, yoga and meditation will boost up your happiness by keeping you agile and active.
13. Take care of self and help your members of family to discharge their responsibilities.
14. Keep the homework in a proper carry bag made of newspaper.
15. Try to avoid spending time on mobile and internet, it will certainly solidify your will power and give you ample confidence and strength.
16. Time has its own pace, so design and classify your routine to take the best out of summer vacation otherwise it will simply slip from your hands. We wish you will have a constructive, entertaining and gala summer time and wishing to meet after summer by rejuvenating our energies.

Class-8

fg Uh h

प्रश्न –1 कंठ,तालु, मूर्धा, दांत,,ओष्ठ से उच्चारण होने वाले वर्ण क्रमानुसार लिखकर कंठस्थ करें।

प्रश्न –2 वाक्यांश के लिए एक शब्द का प्रयोग कर लिखें।

1–जिसका मूल्य आंकना न जा सके 2– जानने की इच्छा रखने वाला

3 जिसे क्षमा न किया जा सके 4–जिसमें संदेह न हो

5–जो बहुत बोलता हो 6–जिसका आचरण अच्छा हो

7– जिसका संबंध पश्चिम से हो 8– जिसे गुप्त रखा जाए

9– हाथ से लिखा हुआ 10– कम खर्च करने वाला

11– जिसका कोई शत्रु न हो 12– पत्ते से बनी कुटिया

13– जो आंखों के सामने हो 14– जो नष्ट होने वाला हो

15– जिसका कोई आदि न हो 16– जो स्मरण रखने योग्य हो

17– आयात किया गया सामान 18–जो गणित का ज्ञाता हो

19– जो दूर की सोचता हो 20–अभिनय करने वाली

प्रश्न –3 निम्नलिखित पर्यायवाची शब्दों को शब्दकोश क्रमानुसार लिखकर इनके तीन–तीन पर्यायवाची कंठस्थ कर लिखिए।

चंद्रमा, उन्नति,विष, मनुष्य, पृथ्वी,पति, पुत्र, नारी,हाथी, गणेश, अमृत,तीर, नदी,नाव, गंगा, कामदेव, इच्छा, आभूषण

प्रश्न–4 निम्नलिखित शब्दों से उपसर्ग अलग करके शब्द के आगे गोला बनाकर गोला में उपसर्ग लिखें।

1–विज्ञान 2–अमोल 3– उनतीस 4– भरपूर

5– बदनाम 6– हमशक्ल 7–गैरजिम्मेदार 8– अधपका

9– आजीवन 10–अपमान 11–कुपुत्र 12– परिक्रमा

13– परिश्रम 14– अधखिला 15– सपूत 16–   प्रचार

17– अनुभव 18– दुर्गम 19– अपशब्द 20– अनपढ़

प्रश्न –5 लाख की चूड़ियों का चित्र बनाकर लाख प्राप्त होने वाले स्थान, लाख का निर्माण तथा लाख से बनने वाली वस्तुओं की जानकारी प्राप्त कर लिखें।

General knowledge

- This project has to be done on A4 paper sheets or on a chart paper of any colour and choose anyone of the following topics:
  1: Indian Heritage Sites (Which you have visited.)
  2: Famous Indian Personalities
  3:South India

French language

- Décrivez votre voyage favori en français ajoutant les suivants :
  1 :Les images de l'endroit
  2 : Les membres
  3 :Les transports
- Écrivez une lettre aux vos amis / amies et demandez eux pour joindre le voyage avec vous.

Sanskrit

p j d l fgr k d k l ke kU; i fj p ; fy f[k, A ¼ kGh l he k 5 i ‘’V½

' k[q l fgr k d k l ke kU; i fj p ; fy f[k, A ¼ kGh l he k 5 i ‘’V½

o snka d k l ke kU; i fj p ; fy f[k, A ¼ kGh l he k 5 i ‘’V½

Programming

Part A : Make one file and write down programs give below with printed output

1. Program to check if a number is even or odd by using if-else.
2. Program to perform all arithematic operations.
3. Program to check if the number is divisible by 7 or 9 or both 7 and 9.

Part B : Make table for logical and relational operators.

Physics

1. A ball of dough is rolled into a flat chapati. Name the force exerted to change the shape of the dough.
2. Where do we apply force while walking?
3. During dry weather clothes made of synthetic fibre often stick to the skin. Which type of force is responsible for this phenomenon?
4. While saving grains, small pieces fall down, which force push them down.
5. A gas filled balloon moves up. Is the upward force acting on it larger or smaller than the force of gravity?
6. Does the force of gravitation exist between astronauts in space?
7. Two thermocol balls held close to each other move away from each other when they are released. Name the force which might be responsible for this phenomenon. Explain.
8. Why it is difficult to cut cloth using a pair of scissors with blunt blades, explain.
9. Two women are of same weight one wear sandals with pointed heels while the other wears sandals with flat soles. Which one would feel more comfortable while walking on a sandy beach.? Give reasons for your answer.
10. Two boys are riding their bicycles on the same concrete road. One has new tires on his bicycle, while the other has tires that are old and used. Which of them is more likely to skid while moving through a patch of the road, which has lubricating oil spilled over it?
11. You might have noticed that when used for a long time, slippers with rubber soles become slippery. Explain the reason.
12. If an air cushion can be introduced between the wheels of a moving train and the rails. What effect will it have on the friction?
13. The handle of a cricket bat or a badminton racquet is usually rough, explain the reason.
14. A father and son push their car to bring it to the side of the road as it has stalled in the middle of the road. They experienced that although they had to push with their might (force) initially to move the car. The push required to keep the car rolling was smaller once the car started rolling. Explain.
15. When travelling on a rickshaw you might have experienced that if the seat cover is very smooth, you tend to slip when brakes are applied suddenly. Explain.

Chemistry

1- Differentiate between thermoplastic and thermosetting plastics.
2- Discuss manufacturing of any one synthetic fibres in detail.
3- Make a list of any 4 metals and non- metals and write their properties.

Biology

1. Paste the pictures of different agricultural tool in A-4 sheet pages and stick it in your note book.
2. Make models of the following according to your roll no. given –
a. drip irrigation (Roll no. 1-09)
b. Chlamydomonas (Roll no. 10-18)
c. Nitrogen cycle (Roll no. 19 -27)
d. Protozoa (Roll no. 28-36)
e. Fungi (Roll no. 37-45)
3. Make chart of different vaccines which are given to the child at various age, and mention how these vaccines work.

Social Science

Map Work
Locate the centres of Revolt of 1857 on the Map of India.
Activity-1 :   Make a poster showing secularism in India.
Question 1   What were the reasons for the decline of the Mughal Empire?
Question 2   Which were the other trading Companies that came to the Indian shores?
Question 3   Which were the other trading Companies that came to the Indian shores?

Computer

1. What are Components of a network?
2. How many types of network are there?
3.Draw a diagram of any 4 Topology.
4. Write a steps to open an image in Photoshop.
5.Draw a diagram of tool panel of Photoshop.

English

1. Read the passage and answer the following-

Airplanes have the reputation of being dangerous and even hardened travellers are intimidated by them. They also have the grave disadvantage of being the most expensive form of transport but nothing can match them for speed and comfort, travelling at a height of 30,000 feet, far above the clouds, and at over 500 miles an hour is an exhilarating experience. You do not have to devise ways of taking your mind off the journey, for an airplane gets you to your destination rapidly.

For a few hours, you settle back in a deep armchair to enjoy the flight. The real escapist can watch a free film show and sip a hot or cold drink on some services. But even when such refreshments are not available, there is plenty to keep you occupied. An airplane offers you an unusual breathtaking view of the world. You soar effortlessly over high mountains and deep valleys. You really see the shape of the land.

If the landscape is hidden from view, you can enjoy the extraordinary sight of unbroken clouds, plains that stretch out for miles before your while the sun shines brilliantly in a clear sky. The journey is so smooth that there is nothing to prevent you from reading or sleeping. However you decide to spend your time, one thing is certain: you will arrive at your destination fresh and uncrumpled. You will not have to spend the next few days recovering from a long and arduous journey.

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HOLIDAY HOMEWORK - (2022- 23)

Question 1. The main disadvantage of an air journey is that:

Question 2. The best advantage of air journey is that:

Question 3. Pick out the incorrect statement.?
(a) an airplane moves at more than 5oo miles an hour speed
(b) one arrives crumpled at the destination after air journey
(C) one can easily read or sleep during air journey
(d) one can see the shape of land from an aeroplane

Question 4. How can one keep oneself busy during air journey?

Question 5. Which of the following is a synonym for intimidated?

Question 6. The exhilarating experience that the author talks about is?

Question 7. After an airplane journey, you do not have to spend time recovering because:

2.Watch any one of the following movies and write about one of the
characters that impresses them the most.
MangalPandey : The Rising Shaheed
The legend of Bhagat Singh Sardar
NetajiSubhash Chandra Bose : The forgotten Hero

3.Read any five Newspaper articles related to conservation and preservation of nature. Based on your reading suggest ways for the same in an interesting manner. Display on class display board.

4. After reading the lesson, write a bio-sketch of Stephen Hawking. Watch the movie, 'Theory of Everything 2014'. Which scene inspired you? Write a descriptive paragraph.

5. Note down different words which flash into your mind when you see rain like
Dark skies
Thunder storm
Umbrellas
Students dancing in the rain
People rushing to nearest shelter
Then weave out a story around it.

Maths

1. Simplify: (5/8)-7 × (8/5)-5.
2. Simplify (-4)-10 × (-4)5

3. Verify that:

(i) $\frac{-1}{2}+\left[\left(\frac{-4}{3}\right)+\frac{3}{7}\right]$ and $\left[\left(\frac{-1}{2}\right)+\frac{3}{7}\right]+\left(\frac{-4}{3}\right)$ are there same

(ii) $\frac{2}{3}\times\left[\frac{-6}{7}+\frac{4}{5}\right]=\left[\frac{2}{3}\times\frac{4}{5}\right]\times\left(\frac{-6}{7}\right)$

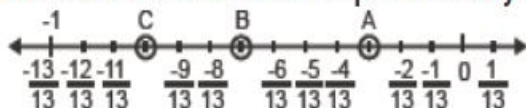4. Find: $\frac{5}{22}+\frac{3}{7}+\left(\frac{-8}{21}\right)+\left(\frac{-6}{11}\right)$

5. Find: $\left(\frac{-14}{9}\right)\times\frac{3}{5}\times\left(\frac{-4}{7}\right)\times\frac{15}{16}$

6. Find three rational number between $\frac{3}{7}$ and $\frac{2}{3}$.

7. Find five rational numbers between $\frac{2}{5}$ and $\frac{1}{4}$.

8. Find 10 rational numbers between $\left(-\frac{2}{3}\right)$ and $\frac{2}{3}$.

9. Write the rational number represented by the points A, B, and C on the following number line:

10. The product of two rational numbers is $\left(\frac{-28}{81}\right)$. If one of them is $\frac{-2}{3}$, then find the other:

MENTAL MATHS

1. 1, 4, 2, 8, 6, 24, 22, 88,?
2. 1, 2, 6, 24, ? , 720
3. 0, 3, 8, 15, 24, 35, 48, 63, ?
4. 2, 1, ?, 90, 90, 89, 890
5. Which number would replace question mark in the series 7, 12, 19, ?, 39.
6. Find out the missing number in the following sequence:1, 3, 3, 6, 7, 9, ?, 12, 21.
7.   In the series 7, 14, 28,…. what will be the 10th term?
8.   Which is the number that comes next in the following sequence? 4, 6. 12, 14. 28. 30. (…..)
9. Which is the number that comes next in the sequence: 0, 6, 24, 60, 120, 210, ?
10. How many terms are there in the series 201, 208, 215, ….., 369?