

DELHI PUBLIC SCHOOL ALIGARH

HOLIDAY HOMEWORK / CLASS- X / 2022-23

ENGLISH

Q.1. Read the long reading text “The Story of My Life” by Helen Keller . On the basis of your reading answer the following questions in English literature notebook.

- Write the character sketches of Ms. Helen Keller, Ms. Sullivan and Dr. Graham Bell in about 150 words .
- Write the main incidents of the novel .
- Summarize the story in your own words in about 200-250 words.

Q.2. Write an article (100-150 words) or poem on any one of the following topics on A4 size sheet :

- One area that Indians need to improve on the most.
- Health – physical , mental and social well being .
- Atrocities on women.
- Addiction to Whatsapp and Facebook.
- Role of English in today’s life.
- Moral and ethics should be an indispensable part of personality.

HINDI

प्रश्न 1-अप्रैल से 30 मई तक पूर्ण कराया गया समस्त कार्य PT1 के लिए स्मरण करना है।

2- परिश्रम ,संचर्ष जीवन है ,संगठन में शक्ति है, सूझ-बूझ तथा आत्मविश्वास आदि नैतिक विषयों से संबंधित कहानी पढ़करअपने 200 शब्दों में लिखिए।

3-परियोजना कार्य -ग्रीष्मकालीन अवकाश के दिनों में अपने माता-पिता तथा पारिवारिक बुजुर्गों की किसी ना किसी प्रकार एक घंटा मदद करिए और प्रतिदिन पांच पंक्तियों में लिखिए,आपने क्या कार्य किया और क्या अनुभवकिया ?

(आवश्यकतानुसार फोटो भी लगाइए यह कार्य परियोजना पुस्तिका में करना है।)

4-कबीर के आठ दोहे तथा मनुष्यता कविता के पांच पेरोग्राफ स्मरण कीजिए ।

5- प्रतिदिन हिंदी समाचारपत्र पढ़कर पांच मुख्य राष्ट्रीय समाचार सुलेख की तरह लिखिए।

6-दैनिक समाचार पत्र से खोया- पाया, जमीन बिकाऊ , कोचिंग सेंटर

7. मोबाइल फोन, पेय पदार्थ, संबंधित किन्हीं12 प्रकार (8 वर्गीकृत तथा चार प्रदर्शित)के विज्ञापन कॉपी में चिपकाइये तथाउसके आधार पर मौलिकता को ध्यान में रखते हुए फिर से आकर्षक विज्ञापन बनाइए। प्रत्येक विज्ञापन एक पेज में बनाना है।

SANSKRIT

1- कोई भी दो पत्र छॉटकर मंजूषा की सहायता से रिक्त स्थान भरकर पुनः लिखिए।

2- ग्रीष्मावकाश में जहाँ भी भ्रमण हेतु जाएँ वहाँ से संबंधित या समाचार पत्र से कोई भी दो चित्र छॉटकर, उस पर पाँच संस्कृत में लिखिए।

3- शुचिपर्यावरणम् व बुद्धिर्बलवती सदा पाठ से दस दस कठिन शब्दों को छॉटकर उसका अर्थ लिखिए। अभ्यासपुस्तिका में किए हुए कार्य को याद करें।

4- किसी एक संस्कृत कवि और एक लेखक के पर आधारित पाँच पाँच सरल वाक्य संस्कृत में लिखिए।संस्कृत में लिखिए।

URDU

Select any one contemporary topic of Social or Educational importance. Collect pictures related to that topic from Urdu/ English/Hindi newspaper and from Urdu Magazine also (Mahnama Umang, Bachcho ki Duniya- latest issue) and prepare a Scrap Book. And also prepare a report on the same topic. (Word limit-500)

OR

Prepare a Chart Paper which will be decorated and write ISM (Noun) aur uski qismien , Sifat (Adjective) aur uski qismien and Fael (Verb) aur uski qismien..

MATHEMATICS

1.Frame a consistent pair of linear equations from any situation from daily life. Remember that lines should not be coincident. Solve the pair graphically and algebraically.

2. Learn three Vedic Ganit Sutras and do three - three questions using each sutra.

3.Write any quadratic polynomial which can be solved using any identity. Solve it using identity and also show that the same zeroes will be obtained if it is solved by mid term split method.

4. Do all solved examples of chapters 1, 2, 3 and 4 from NCERT EXEMPLAR and NCERT Text Book (based on the syllabus given by CBSE for session 2022 - 23).

NOTE: Do above work in a separate thin notebook.

SCIENCE

(PHYSICS)

Instruction: Do in a separate project file.

1. Make a list of electrical appliances used in your home, note their wattage and time of use in a day, then calculate the total electrical energy consumed for that day (approx.).
2. Prepare a model to show the advantage/disadvantage of using electrical appliances in domestic circuit.
 - (i) Parallel circuit – even Roll numbers
 - (ii) Series circuit – odd Roll numbers

(CHEMISTRY)

- 1) To prepare a project on the topic "Types of chemical reactions".
- 2) Balance the following equations:
 - a) $\text{MnO}_2 + \text{HCl} \rightarrow \text{MnCl}_2 + \text{H}_2\text{O} + \text{Cl}_2$
 - b) $\text{PbS} + \text{H}_2\text{O}_2 \rightarrow \text{PbSO}_4 + \text{H}_2\text{O}$
 - c) $\text{Mg}(\text{OH})_2 + \text{HCl} \rightarrow \text{MgCl}_2 + \text{H}_2\text{O}$
 - d) $\text{AlCl}_3 + \text{NH}_4\text{OH} \rightarrow \text{Al}(\text{OH})_3 + \text{NH}_4\text{Cl}$
 - e) $\text{Al}(\text{OH})_3 \rightarrow \text{Al}_2\text{O}_3 + \text{H}_2\text{O}$
 - f) $\text{NH}_4\text{NO}_2 \rightarrow \text{N}_2 + \text{H}_2\text{O}$
 - g) $\text{CuSO}_4 + \text{NaOH} \rightarrow \text{Cu}(\text{OH})_2 + \text{Na}_2\text{SO}_4$
 - h) $\text{NH}_3 + \text{CuO} \rightarrow \text{Cu} + \text{N}_2 + \text{H}_2\text{O}$
- 3) What type of chemical reactions take place when:
 - a) Ammonia and hydrogen chloride is mixed.
 - b) Lime stone is heated.
 - c) Silver bromide is exposed to sunlight.
 - d) Electricity is passed through water.
 - f) A magnesium wire is burnt in air.

(BIOLOGY)

- Q 1- Prepare a working model of the heart showing its internal structure.
- Q 2- Visit the doctor to learn the working of a sphygmomanometer to measure blood pressure and explain its functioning.
- Q 3- Visit a pathology to see how a slide of blood smear is prepared to see blood cells and prepare a chart of cells.
- Q 4- Prepare a diet chart showing different kinds of food items and amount of calories they provide. Also write the amount of calories required by a child, an adult and an old person as a balanced diet.
- Q 5- Perform an activity to show that sunlight is necessary for photosynthesis.

SOCIAL SCIENCE

Visit a nearby bank with your parent and find out what are the different types of loans a bank offers, Are they charges same rate of interest on all types of loans or not. If not, why.

Make a project report on the different types of loans offered by a bank with current rate of interest and also state the reason for the higher or lower rate of interest charged on a particular type of loan. (Maximum 4 to 5 pages).

ART

Make a Poster on **"Yoga Day"** and colour it in any medium. (In your Art File Or on A3 chart sheet.)

COMPUTER

1. List out all the protocols used in web services. Explain it with Power Point presentation.
2. Write down the steps for booking a movie ticket online.
