KENDRIYA VIDYALAYA CHERO SALEMPUR

HOLIDAY HOMEWORK (SUMMER VACATION 2023-24)

CLASS: VIII

SUBJECT: SOCIAL SCIENCE

1. Write the fundamental rights in the Indian constitution on a A4 size paper.
2. List out the 11 fundamental duties in Indian constitution on a chart or A4 size paper with pictures & drawings.
3. Look up the annual calendar of holidays of your school. How many of them pertain to different religions? what does this indicate?
4. Locate all the states and union territories along with its capitals in Political Map of India.(Do it in suitable map and then paste or pin it in copy)
5. Read the chapter " THE INDIAN CONSTITUTION" and write its key features.
6. What are the different ways to conserve our resources.
7. **Give the answers of the following questions.**
    a. Define Resource.
    b. Write the short notes on Sustainable Development.
    c. Write the historical background of framing of the constitution.
    d. Discuss all six fundamental rights enshrined in the Indian constitution.
    e. What was the problem with the periodization of Indian history by James Mill?
    f. Why do you think that India is a democratic Country?

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KENDRIYA VIDYALAYA CHERO SALEMPUR

HOLIDAY HOMEWORK (SUMMER VACATION 2023-24)

CLASS: VI

SUBJECT: SOCIAL SCIENCE

1. Collect more facts about the Earth and the Moon.
2. Make a list of differences and similarities between any two Indian states.
3. *"India has unity in diversity"* prove in your explanation (about 200 words)
4. What were the subjects on which books were written in the past? Which of these books would you like to read?
5. Write an article on "*Rain water harvesting*"
6. **MAP-POINTING**
I. On an outline map of the world label or point the following-
    A. Continents and Oceans (map1)
    B. Mountains and Rivers (map2)
II. On the given physical map of India locate and label the following with appropriate symbols (history book) (page2))
    a. Deccan Plateau
    b. Aravalli
    c. Vindhya
    d. Himalayas

7. Locate all the states and union territories along with its capitals in Political Map of India.(Do it in suitable map and then paste or pin it in copy)

8. Draw a solar system on chart paper.

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KENDRIYA VIDYALAYA CHERO SALEMPUR

HOLIDAY HOMEWORK (SUMMER VACATION 2023-24)

CLASS: VII

SUBJECT: SOCIAL SCIENCE

1. Imagine an ideal environment where you would love to live. Draw the picture of your ideal environment.
2. Every student have to compulsorily under take one project on "Equality in Indian Democracy".
3. On an outline map of India show the area of following Kingdoms;
a. Gurjara-Pratiharas.   b. Palas.
   c.Rashtrakutas.   d.   Cholas.
4. Locate all the states and union territories along with its capitals in Political Map of India.(Do it in suitable map and then paste or pin it in copy)
5. Find out about government schemes in your area. what does this scheme do? Whom is this scheme set up to benefit?
6. **Give the answers of the following questions.**
   a. Who were the parties involved in the "tripartite struggle"?
   b. How did the Rashtrakutas gained power and independent?
   c. What do you mean by the word Environment?
   d. Write the components of Environment with suitable examples.
   e. What is different between biotic and abiotic?
   f. Describe the term "Universal adult franchise" and "Civil Rights Movement".
   g. Describe the two ways in which government has tried to implement the equality.
   h. What are the provisions in the Constitution of India in respect of recognition of equality?

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Kendriya vidyalaya Chero - Salempur

Holiday homework

Subject:- Music (Class 3rd to 5th)

1)Write and learn the patriotic song, bhajan, prayer and national anthem.

2)Do more singing practices for all above songs.

3)Pasting the pictures of musical instruments in the notebook.

4)Prepare a dance of your choice (classical or folk or free style) with help of your parents and make a video clip.

ग्रीष्मावकाश गृहकार्य 2023

कक्षा 12 वीं

1.कवि स्वयं को दीवाना कहलाना क्यों चाहता है? आत्मपरिचय कविता के आधार पर लिखिए ।

2. संसार में कष्टों को सहते हुए भी खुशी और मस्ती का माहौल कैसे पैदा किया जा सकता है? आत्मपरिचय कविता के आधार पर लिखिए।

3. प्राचीन काल की अपेक्षा आधुनिक काल के दौरान स्त्रियों की दशा में क्या परिवर्तन हुआ? क्या आज भी लड़कियों को उचित स्थान नहीं मिला जो मिलना चाहिए ।तर्क सहित उत्तर दीजिए।

4. बाजार दर्शन पाठ में किस प्रकार के ग्राहकों की बात हुई है आप स्वयं को किस श्रेणी का ग्राहक मानते हैं ? तर्क सहित उत्तर लिखिए।

5. प्रतिदिन एक वाक्य श्रुतलेख लिखना है और जांच भी करना है।

6. आवधिक परीक्षा प्रथम को ध्यान में रखते हुए 40 अंकों का एक प्रश्न पत्र और अंक योजना तैयार कीजिए।

ग्रीष्मावकाश गृहकार्य 2023

विषय - हिंदी

कक्षा- 9वी

1.कबीर दास जी की 10 साखियों (जो पाठ में ना आई हो)को अपनी कॉपी में लिखकर कंठस्थ करें।

2. कबीर दास जी एक धार्मिक और सांप्रदायिक सद्भाव का व्यक्तित्व रखते थे उदाहरणों से स्पष्ट कीजिए?

3. हीरा और मोती ने शोषण के खिलाफ आवाज उठाई लेकिन उसके लिए प्रताड़ना सही उदाहरण सहित बताइए।

4. दो बैलों की कथा पाठ में मुहावरों का प्रयोग हुआ है कोई 5 मुहावरे चयन कर व उनका वाक्य में प्रयोग कीजिए।

5. इस जल प्रलय में पाठ को ध्यान में रखते हुए किसी प्राकृतिक आपदा पर एक निबंध लिखिए।

6. दस उपसर्ग व दस प्रत्यय के द्वारा 40 शब्द बनाइए।

7. प्रतिदिन एक वाक्य श्रुतलेख लिखिए और उसका जांच करिए।

8. पाठ्यक्रम को ध्यान में रखते हुए आवधिक परीक्षा प्रथम हेतु 40 अंकों का एक प्रश्न पत्र व अंक योजना तैयार कीजिए।

केन्द्रीय विद्यालय चेरो सलेमपुर
ग्रीष्मकालीन गृह कार्य
कक्षा -7
विषय : विज्ञान

1. पाठ सं 1 और पाठ सं 2 के अभ्यास को पूरा करें

2. पाठ सं 1 और पाठ सं 2 से कम से कम 25 नए व् कठिन शब्दों को लिखें और उसका हिंदी में अर्थ भी लिखकर याद करें.

3. पाठ सं 1 पर आधारित एक परियोजना बनावें

विषयाध्यापक:

शिव प्रकाश गुप्ता

पी जी टी भौतिकी   02/05/23

KENDRIYA VIDYALAYA CHERO – SALEMPUR
HOLIDAY HOMEWORK OF ART
CLASS-6TH TO 8TH

CLASS-6th

- **DRAW COLOURFUL BIRDS AND USE OIL PASTEL COLOUR IN IT.**

  - **EXAMPLE**

- **DRAW A FRUIT COMPOSITION USE FILL OIL PASTEL COLOUR IN IT.**

  - **EXAMPLE**

- **PREPARE SOME ARTICLES & DRAWING FOR YOUR HOUSE DISPLAY BOARD.**

- **DECORATE YOUR ARTNOTE BOOK'S COVER PAGE.**

- **POSTER ON WATER CONSERVATION (SAVE WATER)**

  - **EXAMPLE**

CLASS-7th

- DRAW COLOURFUL WILD ANIMALS AND USE OIL PASTEL COLOUR IN IT.

- EXAMPLE

- DRAW ANY STILL LIFE BY USING OIL PASTELS.

- PREPARE SOME ARTICLES & DRAWING FOR YOUR HOUSE DISPLAY BOARD.

- DECORATE YOUR ARTNOTE BOOK'S COVER PAGE.

- DRAW A POSTER ON GLOBAL WARMING FOR AWARENESS.

CLASS-8th

- DRAW COLOURFUL FISHES AND USE OIL PASTEL COLOUR IN IT.

- PREPARE SOME ARTICLES & DRAWING FOR YOUR HOUSE DISPLAY BOARD.

- DECORATE YOUR ARTNOTE BOOK'S COVER PAGE.

- DRAW A POSTER ON OUR ENVIRONMENT FOR AWARENESS.

- DRAW A SCENE OF MARKET OR NATURAL VIEW.

- MAKE A COPY WORK OF ANY FAMOUSE PAINTINGS OF INDIAN ARTISTS LIKE RAJA RAVI VERMA NAND LAL BOSE, M.F HUSAIN ETC.

KENDRIYA VIDYALAYA CHERO – SALEMPUR

HOLIDAY HOMEWORK OF ART
CLASS-9ᵀᴴ TO 12ᵀᴴ

CLASS-9th

- PENCIL SKETCH OF ONE POINT OR TWO POINT PERSPECTIVE.

- DRAW HISTORICAL MONUMENTS OF INDIA AND USE 10 B PENCIL FOR SHADING IN IT.

- DECORATE YOUR ARTNOTE BOOK'S COVER PAGE ON ANY THEME AS YOU LIKE.

- MAKE A POSTER ON ANY SOCIAL ISSUE LIKE CHILD LABOUR,BLOOD DONATE,ENVIRONMENT OR AVOID SINGLE USE OF PLASTIC.

- PREPARE SOME ARTICLES & DRAWING FOR YOUR HOUSE DISPLAY BOARD.

- MAKE A COPY WORK OF ANY FAMOUSE PAINTINGS OF INDIAN ARTISTS LIKE RAJA RAVI VERMA,NAND LAL BOSE,M.F HUSAIN ETC.

CLASS-10th

- PENCIL SKETCH OF ONE POINT OR TWO POINT PERSPECTIVE OR INTERIOR DESIGN.

- DRAW HISTORICAL MONUMENTS OF ANY FOREIGN COUNTRY AND USE 10 B PENCIL FOR SHADING IN IT.

- DECORATE YOUR ARTNOTE BOOK'S COVER PAGE ON ANY THEME AS YOU LIKE.

- MAKE A POSTER ON ANY SOCIAL ISSUE LIKE CHILD LABOUR, BLOOD DONATE,ENVIRONMENT OR AVOID SINGLE USE OF PLASTIC.

- PREPARE SOME ARTICLES & DRAWING FOR YOUR HOUSE DISPLAY BOARD.

- MAKE A COPY WORK OF ANY FAMOUSE PAINTINGS OF INDIAN ARTISTS LIKE RAJA RAVI VERMA,NAND LAL BOSE,M.F HUSAIN ETC.

CLASS - (5A+ 5B)

Holiday Home work

Subject - English

1 - Practice hand writing one page daily.

2- Write 5 new word daily (total 40*5= 200)

3-Collect 10 picture of noun and paste it on the chart paper.

4-Make a model of an Ice cream cart.

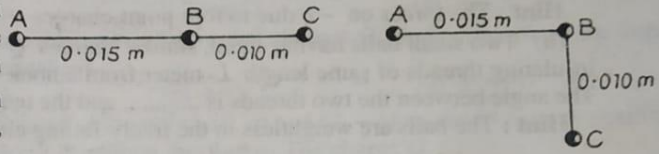5-Make a model from

Scraps.

Holiday Homework

Class - 4 A

Subject -EVS

1 - Make 2 flash cards -

a- Healthy food item with

names.

b- Animals that lives in herds

2 - Locate Rajasthan, Gujarat, Assam

кerala,Jammu and Kashmir on map .

3 - Make a self made model of Bamboo bridge.

4 -Paste newspaper cutting of any 3 famous sports personalities .

5- colour and decorate a clay pot.

6-Make a model of Nest and paper bird.

10. Two similarly and equally charged identical metal spheres A and B repel each other with a force of 2.0×10^{-5} N. A third identical, uncharged sphere C is touched with A and then placed at the mid-point between A and B. What is net electric force on C? **Ans. 2.0×10^{-5} N, towards A.**

11. Two conducting spheres A and B of the same size are situated at some distance apart. Each has a charge of $+q$ coulomb and they repel each other with a force of 10^{-5} N. A third conducting uncharged sphere C of same size is first touched with A and then with B and then placed exactly between A and B. Calculate the resultant force on C. **Ans. $7.5 \times \times 10^{-6}$ N, towards A.**

12. In the adjoining figures are shown three particles A, B and C which are equally charged. The force acting on B due to A is 2.0×10^{-6} N. Find out in each Fig. (i) force exerted on B by C, (ii) net force on B.

A ⊶———$0.015\ m$———⊶ B ⊶——$0.010\ m$——⊶ C

A ⊶——$0.015\ m$——⊶ B

$0.010\ m$

C

Ans. (i) 4.5×10^{-6} N, 4.5×10^{-6} N, (ii) 2.5×10^{-6} N (from B to A), 4.925×10^{-6} N.

13. Two point-charges of $1.0\ \mu C$ and $-0.25\ \mu C$ are placed in air at a distance of 0.40 m from each other. Find out at which point on the line joing the two charges should a third charge be placed so that no force acts upon it? **Ans. Outside the second charge at a distance of 0.40 m.**

14. Two point-charges $+9e$ and $+e$ are placed at a distance of 16 cm from each other. At what point between these charges should a third charge q be placed so that it remains in equilibrium? **Ans. At a distance of 12 cm from the charge $+9e$.**

15. Three point-charges q_1, q_2, q_3 are in line at equal distances. q_2 and q_3 are opposite in sign. Find the magnitude and sign of q_1 if the net force on q_3 is zero. **Ans. q_1 has a magnitude four times of q_2 and sign as of q_3.**

16. Two free charges, each $+Q$, are at a distance r apart. A third charge q is placed between them on the line joining them such that all three remain in equilibrium. Find the magnitude, sign and position of q. Will the equilibrium be stable or unstable? **Hint:** See solved example 10. **Ans. $Q/4$, negative, at mid-point, unstable.**

17. ABC is an equilateral triangle of side 10 m and D is the mid-point of BC. Charges of $+100$, -100 and $+75\ \mu C$ are placed at B, C and D respectively. Find the force on a $+1\ \mu C$ charge placed at A. **Ans. $9\sqrt{2} \times 10^{-3}$ N, at $45°$ to a line parallel to BC.**
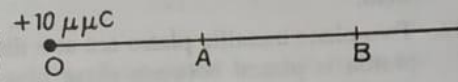
18. At each of the four corners of a square of side a, a charge $+q$ is placed freely. What charge should be placed at the centre of the square so that the whole system be in equilibrium? **Ans. $(-q/4)(1+2\sqrt{2})$.**

3. Find the electric intensity at a point where a charge of 5×10^{-4} C experiences a force of 2·25 N.

         Ans. $4·5 \times 10^{3}$ N/C.

4. What will be the intensity of an electric field in which an electron experiences an electric force equal to its weight ? what in case of proton ?

         Ans. $5·5 \times 10^{-11}$ N/C vertically downwards, $1·04 \times 10^{-7}$ N/C vertically upwards.

5. Calculate the intensity of the electric field due to a helium nucleus at a distance of 1 Å from the nucleus.

         Hint : The helium nucleus has a positive charge equal to that on an α-particle.

         Ans. $2·88 \times 10^{11}$ N C^{-1}.

6. The intensity of electric field at a distance of 1 m from a point-charge is 450 N C^{-1}. Find the magnitude of the charge.

         Ans. $5·0 \times 10^{-8}$ C.

7. Two point-charges $q_1 = +0·2$ C and $q_2 = +0·4$ C are 0·1 m apart. Find the electric field at (i) mid-point between the charges, (ii) a point on the line joining q_1 and q_2 such that it is 0·05 m away from q_2 and 0·15 m away from q_1.

         Ans. (i) $7·20 \times 10^{11}$ N C^{-1} towards q_1, (ii) $1·52 \times 10^{12}$ N C^{-1} away from q_1 and q_2 both.

8. Two point-charges 3 μC and -3 μC are placed at points A and B respectively, 20 cm apart in vacuum. Find the electric field at the mid-point O of the line AB. What force will be experienced by a negative test-charge of $1·5 \times 10^{-9}$ C placed at O.

         Ans. $5·4 \times 10^{6}$ N C^{-1} along AB, $8·1 \times 10^{-3}$ N along OA.

9. A point-charge of 6×10^{-9} coulomb is placed at a distance of 30 cm from another point-charge of 4×10^{-9} coulomb. Determine the force on the charges due to each other. Also find out the intensity of electric field at a point between the charges on the line joining the charges and at a distance of 20 cm from the bigger charge.   **Ans.** $2·4 \times 10^{-6}$ N, 2250 N C^{-1} towards the bigger charge.

10. Two point-charges $+q$ and $+4q$ are separated by a distance 6a. Find the point joining the two charges where the electric field is zero.   **Ans.** At a distance 2a from $+q$.

11. There are three points A, B and C at the corners of an equilateral triangle. There is a point-charge of $+0·100$ μC at A. What will be the intensity of electric field at the mid-point between B and C, if the side of the triangle is 10·0 cm.   **Ans.** $1·20 \times 10^{5}$ N/C.

12. Electric charges ± 1000 μC are placed at points A and B respectively at a distance of 2 m from each other. Calculate the electric fields at (i) mid-point of the line AB, and (ii) at a point at equal distances of 4 m from each charge.

         Ans. (i) $1·8 \times 10^{7}$ N C^{-1}, along AB ; (ii) $2·8 \times 10^{5}$ N C^{-1}, parallel to AB.

13. ABC is an equilateral triangle whose each side is 0·05 m. At A and B are placed charges of $+ (50/3) \times 10^{-9}$ and $- (50/3) \times 10^{-9}$ coulomb respectively. What will be magnitude and direction of the resultant field at C ?   **Ans.** $6·0 \times 10^{4}$ N/C parallel to AB.

14. A stationary oil drop between two parallel plates has a charge of $3·2 \times 10^{-19}$ C and a weight of $1·6 \times 10^{-14}$ N. Find the electric field acting on the drop.   *(ISC 96)*   **Ans.** $5·0 \times 10^{4}$ N C^{-1}.

15. If an oil drop of weight $3·2 \times 10^{-13}$ N is balanced in an electric field of 5×10^{5} N C^{-1}, find the charge on the drop.   **Ans.** $6·4 \times 10^{-19}$ C.

16. A charged drop of oil of radius 2·76 μm and density 920 kg m^{-3} is held stationary in a vertically downward electric field of $1·65 \times 10^{6}$ N C^{-1}. (i) Find the magnitude and sign of the charge on the drop. (ii) If the drop captures two electrons in the same electric field, what would be its acceleration ? Ignore viscous drag.   **Ans.** (i) $+4·8 \times 10^{-19}$ C, (ii) 6·5 m s^{-2}.
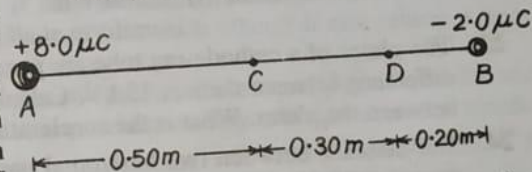
3. 5 J work is done in moving a positive charge of 0·5 C between two points. Find the p.d. between the points. (ISC 95) **Ans.** 10 V.

4. Compute electric potential at a distance of 0·1 m from a point-charge of 4×10^{-9} C . **Ans.** 360 V.

5. A wire is bent in a circle of radius 10 cm. It is given a charge of 250 μC which spreads on it uniformly. What is the electric potential and intensity of field at its centre ?
Ans. $2 \cdot 25 \times 10^7$ V, zero.

6. Calculate in the given figure : (i) electric potentials at points A and B, (ii) work done in taking the same amount of negative charge from A to B, ($OA = 0·10$ m, $OB = 0·20$ m).

$+10 \mu\mu C$
O   A   B

Ans. (i) 0·90 V, 0·45 V, (ii) $4·5 \times 10^{-12}$ J.

7. A charge A of 8·0 μC is situated at a distance of 1·00 meter from a charge B of $-2·0$ μC, as shown. Calculate the potential at the mid-point C between A and B. Also calculate the potential at D which is at a distance of 0·80 m from A and 0·20 m from B. How much work will be done in taking 0·02 μC of charge from D to C ?

$+8·0\mu C$
A   C   D $-2·0\mu C$ B
$\longleftarrow$ 0·50m $\longrightarrow$ $\leftarrow$0·30m$\rightarrow$$\leftarrow$0·20m$\rightarrow$

Ans. $1·08 \times 10^5$ V, zero, $2·16 \times 10^{-3}$ J .

8. Two charges $+20$ μC and -10 μC are 6 cm apart. Find electric potential at a point distant 4 cm on the right bisector of the line joining the charges.
Ans. $1·8 \times 10^6$ V.

9. The potential due to a point-charge at a distance of 0·3 m is 10^3 V. What will be the electric field intensity due to the same charge at a distance of 0·4 m.
Ans. 1875 V m^{-1}.

10. The electric field at a point due to a point-charge is 20 N C^{-1} and the electric potential at that point is 10 J C^{-1}. Calculate the distance of the point from the charge and the magnitude of the charge.
Ans. 0·5 m, $0·55 \times 10^{-9}$ C.

11. A point-charge of $6·0 \times 10^{-8}$ C is situated at the coordinate origin. How much work will be done in taking an electron from the point $x = 3$ m to $x = 6$ m ?
Ans. $1·44 \times 10^{-17}$ J.

12. A point-charge of 6×10^{-9} C is placed at a distance of 30 cm from another point-charge of 4×10^{-9} C. Determine the electric potential at a point between the charges on the line joining the charges and at a distance of 20 cm from the bigger charge.
Ans. 630 V.

13. Two point-charges of 4 μC and -2 μC are placed 1 m apart in air. At what point on the line joining the charges is the electrostatic potential zero ?
Ans. At (2/3) m from 4 μC.

14. At each corner of an equilateral triangle charges of $+250$ μC are placed in air. What will be the resultant electric potential at the centroid of the triangle whose distance from each corner is 18 cm ?
Ans. (i) $3·75 \times 10^7$ V .

15. Electric charges of the same nature and each of 100 μC are placed at the corners of a square having a diagonal of 2 m. Determine the resultant potential at the centre of the square.
Ans. $3·6 \times 10^6$ V.

16. Each side of a square is 60 cm long. Charges of $-2, 3, -4$ and 5 μC are placed at its corners. Calculate the potential at the centre of the square.
Ans. $4·2 \times 10^4$ V.

17. Charges of $+6, +12$ and $+24$ μC are placed at three corners of a square. What charge should be placed at the remaining corner in order to have zero potential at the centre of the square ?
Ans. -42 μC.

18. 10 J of work is required to move a charge of -200 C from point A to B. (i) Which of the two points is at higher potential ? (ii) What is the p.d. between them ? (iii) If the points are 4 cm apart, what is the component of the electric field parallel to the line joining A and B ?
Ans. (i) A, (ii) 0·05 V, (iii) 1·25 V m^{-1}.

6. What distance d between the two parallel plates, each of area $A = 0.0314$ m^2, of an air capacitor be kept so that its capacitance is same as of a conducting sphere of radius $a = 0.5$ m ?

   Hint : $\varepsilon_0 A/d = 4\pi\varepsilon_0 a$ and so $d = A/4\pi a$.

   Ans. 5·0 mm.

7. An air parallel-plate capacitor has a plate area of 6×10^{-3} m^2 and a plate separation of 3 mm. Calculate its capacitance. If this capacitor is connected to a 100 V supply. What is the charge on each plate of the capacitor ?

   Ans. 18 pF, 1.8×10^{-9} C.

8. The area of each plate of a parallel-plate capacitor is 100 cm^2 and the distance between them is 0.05 cm. When it is filled with a dielectric, its capacitance becomes 3.54×10^{-10} F. Find the dielectric constant.

   Ans. 2·0

9. How much area of paper will be required to construct a parallel-plate capacitor of 0·004 μF if the dielectric constant of the paper be 2·5 and its thickness be 0·025 mm ?

   Ans. 4.52×10^{-3} m^2.

10. We have a glass slab ($K = 7$) 4·0 mm thick, a mica foil ($K = 6$) 0·20 mm thick and an amber plate ($K = 2$) 2·0 cm thick. Which one be placed between the plates of a parallel-plate capacitor to obtain maximum capacitance ?

    Hint : $C = K\varepsilon_0 A/d$.

    Ans. Mica foil, for which K/d is maximum.

11. The potential difference between the plates of a parallel-plate capacitor is 200 V. The area of each plate is 100 cm^2 and the distance between them is 1 mm. If the medium between them is air, then calculate the charge taken by the capacitor. If there is a medium of dielectric constant 2·5 between the plates, then what will be the potential difference for the same charge ?   **Ans. 1.76×10^{-8} C, 80 V.**

12. A paper is placed between two plates of copper, area of each 100 cm^2. The thickness of the paper is 0·005 cm and its dielectric constant is 2·5. If the paper can bear an electric field of 5×10^5 V/cm, then calculate the maximum voltage up to which the capacitor can be charged. How much charge will be stored on the capacitor ?

    Ans. 2500 V; 1.1×10^{-5} C.

13. When a 20-V battery is connected to an air-capacitor, a charge of 30 μC is obtained on the capacitor. When oil is filled between the plates of the capacitor, then a charge of 75 μC is obtained. Calculate (i) the dielectric constant of the oil, (ii) the energy contained in the oil-capacitor.

    Ans. (i) 2·5, (ii) 7.5×10^{-4} J.

14. (a) A parallel-plate air capacitor has a plate area of 6×10^{-3} m^2 and a plate separation of 3 mm. A p.d. of 100 V is established between its plates by a battery. After disconnecting the battery, the space between the plates is filled by a 3 mm thick mica sheet of dielectric constant $K = 6$. Find (i) the new p.d. between the plates, (ii) the final capacitance and (iii) the final charge on the capacitor.

    Ans. (i) $\dfrac{100}{6}$ V, (ii) 108 pF, (iii) 1.8×10^{-9} C (same as before inserting the mica sheet).

    (b) If the battery remains connected to the capacitor, then what will be the answers of the above parts.

    Ans. (i) 100 V, (ii) 108 pF, (iii) 1.08×10^{-8} C.

15. (a) A parallel-plate capacitor has a plate-area of 90 cm^2 and separation 2·5 mm. Find the stored electrostatic energy when it is charged to 400 V.

    Ans. 2.55×10^{-6} J.

    (b) The energy is stored in the electrostatic field between the capacitor plates. Obtain energy density (energy per unit volume).

    Ans. 0·113 J m^{-3}.

16. A parallel-plate 100-μF capacitor is charged to 500 V and the charging battery is removed. If the distance between its plates is halved, then what will be the new potential difference between the plates and what will be the change in the stored energy ?   **Ans. 250 V, energy will be halved.**

17. A 16-μF capacitor is charged to 3.2×10^{-4} C and the charging battery is disconnected. What will be the work required in doubling the distance between the plates ?

    Ans. 3.2×10^{-3} J.

केन्द्रीय विद्यालय चेरो सलेमपुर

ग्रीष्मकालीन गृह कार्य

कक्षा -12

विषय : भौतिक विज्ञान

पाठ सं 1,2 और पाठ सं 3 के दिए गए आंकिक प्रश्न को हल करें.

Holiday Homework   Class – XII-A
Subject – Chemistry

01 = Complete Exercise of lesson – 1 Solution.

02 = Complete all numerical problems given in in-text and solved examples.

03 = In-text problems and solved examples upto Nernst Equation of lesson – 2 - Electro chemistry.

Class : XII 'B'

Holiday Homework

∴ <u>Accountancy</u> :~

* Solve all the objectives type Questions & Numericals from ch-1. (Accounting for partnership firm)

* Solve Q.1 to 22 from ch.2. (Partnership, change in profit sharing ratio among the existing partners)

* Learn all the theoritical portion of ch- 1 & 2. (Partnership, change in profit sharing ratio among the existing partners).

∴ <u>Business Studies</u> :~

* Make notes of the chapter 2 to 8.
  ↱ (Nature and significance of management, Principles of
* (Learn the chapter 1 to 3.   management;
                                    Business environment)

* Solve 10 case studies each from chapter 1 to 4. (Nature and significance of management, Principles of management, Business environment, Planning)

CLASS 3

HOLIDAY HOMEWORK

PROJECT- Paste the pictures of various fields where computers are used from newspaper, magazines on plain page. (8-10 pictures as in sticker size).

CLASS 4

HOLIDAY HOMEWORK

PROJECT - Using Internet (Google search engine) or from newspaper, Magazines - find out the name of various INPUT & OUTPUT devices Name with pictures (10- 12) in sticker size and paste in your computer copy on plain page.

CLASS 5

HOLIDAY HOMEWORK

PROJECT-Using Internet (Google search engine) or from newspaper, Magazines - find out the name of various Memory storage devices Name with photographs (8- 12) in sticker size and paste in your computer copy on plain page. Write the name of that storage device, types of storage (primary /secondary) and storage capacity on ruled page.

SESSION	:	2
FORMATIVEASSESSMENT	:	I
CLASS	:	VI
SUBJECT	:	(computer)
ACTIVITY	:	Individual

Topic	THE MORE THE VARIETY THE BETTER THE SOCIETY
Content Coverage	Power point presentation
Nature of task	Making power point presentation based on the theme Healthy food habit and good living using Microsoft power point 2010.
Learning Objectives	• To enable the students to search the information related to the topic. • To enable the students to present their ideas on the given topic using charts, pictures, videos etc. • To enable the students to use their own creativity in designing the presentation.
Duration	Autumn Break
Task	The task requires students to : - 1. Collect the pictures, facts, information about the topic. 2. Make at least 10 slides on the topic. 3. Give animation, transitions and sound effects to slides.
Execution of task / Procedure	• Collect the pictures, facts, information about the topic from internet, newspaper or magazine. • Make at least 10 slides on the topic. • Give appropriate background to the slides. • Give animation, transitions and sound effects to slides.
Criteria / Rubrics for assessment	• Slide showing student and topic details (like student name , class, section and the topic "THE MORE THE VARIETY THE BETTER THE SOCIETY") ⟶ 1 mark • Information, picture and facts shown in the ppt and it should contain at least 10 slides on the topic. ⟶ 5 marks • Background, animation, transitions and Sound effects. ⟶ 2 marks • Students creativity and extra features(like shapes, SmartArt, movie adding etc.) used ⟶ 2 marks **Mail the presentation to----**kvgajendracs@gmail.com
Values imparted through the Activities	• Learn to express ideas through pictures, graphs, SmartArt etc. • Learn how to create attractive presentations.
Followup	After correction ideas would be discussed how to make the presentation more attractive. And the errors done by the students would be discussed.

SESSION	:	
FORMATIVEASSESSMENT	:	I
CLASS	:	VII
SUBJECT	:	(computer)
ACTIVITY	:	Individual

Topic	HUMAN ADVANCEMENT: INDISTINGUISHABLE FROM MAGIC
Content Coverage	Power point presentation
Nature of task	Making power point presentation based on the theme **HUMAN ADVANCEMENT: INDISTINGUISHABLE FROM MAGIC** using Microsoft power point.
Learning Objectives	- To enable the students to search the information related to the topic. - To enable the students to present their ideas on the given topic using charts, pictures, videos etc. - To enable the students to use their own creativity in designing the presentation.
Duration	Autumn Break
Task	The task requires students to : - 4. Collect the pictures, facts, information about the topic. 5. Make at least 10 slides on the topic. 6. Give animation, transitions and sound effects to slides.
Execution of task / Procedure	- Collect the pictures, facts, information about the topic from internet, newspaper or magazine. - Make at least 10 slides on the topic. - Give appropriate background to the slides. - Give animation, transitions and sound effects to slides.
Criteria / Rubrics for assessment	- Slide showing student and topic details (like student name , class, section and the topic "**HUMAN ADVANCEMENT: INDISTINGUISHABLE FROM MAGIC**") ------- 1 mark - Information, picture and facts shown in the ppt and it should contain at least 10 slides on the topic. ⟶ 5 marks - Background, animation, transitions and Sound effects. ⟶ 2 marks - Students creativity and extra features (like shapes, SmartArt, movie adding etc.) used ⟶ 2 marks **Mail the presentation to----** kvgajendracs@gmail.com
Values imparted through the Activities	- Learn to express ideas through pictures, graphs, SmartArt etc. - Learn how to create attractive presentations.
Follow up	After correction ideas would be discussed how to make the presentation more attractive. And the errors done by the students would be discussed.

SESSION	:	
FORMATIVEASSESSMENT	:	I
CLASS	:	VIII
SUBJECT	:	(computer)
ACTIVITY	:	Individual

Topic	**Discovering the World Around Us**
Content Coverage	Power point presentation
Nature of task	Making power point presentation based on the theme Discovering the World Around Us using Microsoft power point.
Learning Objectives	• To enable the students to search the information related to the topic. • To enable the students to present their ideas on the given topic using charts, pictures, videos etc. • To enable the students to use their own creativity in designing the presentation.
Duration	Autumn Break
Task	The task requires students to : - 7. Collect the pictures, facts, information about the topic. 8. Make at least 10 slides on the topic. 9. Give animation, transitions and sound effects to slides.
Execution of task / Procedure	• Collect the pictures, facts, information about the topic from internet, newspaper or magazine. • Make at least 10 slides on the topic. • Give appropriate background to the slides. • Give animation, transitions and sound effects to slides.
Criteria / Rubrics for assessment	• Slide showing student and topic details (like student name , class, section and the topic "**Discovering the World Around Us**") ⟶ 1 mark • Information, picture and facts shown in the ppt and it should contain at least 10 slides on the topic. ⟶ 5 marks • Background, animation, transitions and Sound effects. ⟶ 2 marks • Students creativity and extra features(like shapes, SmartArt, movie adding etc.) used ⟶ 2 marks **Mail the presentation to----**kvgajendracs@gmail.com
Values imparted through the Activities	• Learn to express ideas through pictures, graphs, SmartArt etc. • Learn how to create attractive presentations.
Followup	After correction ideas would be discussed how to make the presentation more attractive. And the errors done by the students would be discussed.

KENDRIYA VIDYALAYA CHERO SALEMPUR

HOLIDAY HOMEWORK (SUMMER VACATION 2023)

CLASS: 9

SUBJECT: SOCIAL SCIENCE   TEACHER: RAKESH KUMAR YADAVA

1. **Prepare a project on any topic of disaster management with reference to the book'' Together, Towards a Safer India - Part II, a textbook on Disaster Management for Class IX - Published by CBSE .(Do it in preferably A4 Size paper.)**

2. **Prepare an Art Integrated Project on the topic " Monuments and Architecture of UTTAR PRADESH state. (Do it in preferably A4 Size paper.)**

3. **Map work:-**
   In a Political map of India show the following things.(Do it in suitable map and paste or pin it in homework copy)

   A. India-States with Capitals
   B. Tropic of Cancer
   C. Standard Meridian

4. **Answer the following questions.(Do it in homework copy)**
   A. The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat in the west but the watches show the same time. How does this happen?
   B. The central location of India at the head of the Indian Ocean is considered of great significance. Why?
   C. Modern farming methods require more inputs which are manufactured in industry. Do you agree?
   D. Explain the different factors of organisation of Production.
   E. What are the different ways of increasing production on the same piece of land? Use examples to explain.
   F. Write the merits and demerits of Green Revolution.
   G. Define democracy ? Write its key features.
   H. Write the arguments against democracy.
   I. Write the arguments for democracy.

HOLIDAY HOMEWORK (SUMMER VACATION)-2023

CLASS: X   SUBJECT: SOCIAL SCIENCE

Project

Every student has to compulsorily undertake any one project on the following topics:

Consumer Awareness

OR

Social Issues

OR

Sustainable Development

Map work

Locate all major soil types (India) on the suitable map of India.

1. **Alluvial**   2. **Black**   3. **Red and Yellow**

4. **Laterite**   5. **Arid**   6. **Forest and Mountains**

Write the answers of following questions in home work copy.

Resources and Development

1.Wind energy received in abundance in western Rajasthan and Gujarat has not been so far utilized and developed to the maximum. It falls in which category of resources?

2. Classify resources on the basis of exhaustibility.

3.Classify resources on the basis of origin.

4."Conservation of resource is vital for development". Give one example regarding the statement.

5.."Degradation of land is a cause of worry". Give one reason to support the statement.

6. How is over irrigation responsible for land degradation in Punjab?

7. How is cement industry responsible for land degradation?

8. Describe any three main features of alluvial soil found in India.

9. Describe any three main features of black soil found in India.

10. How are mining activities responsible for land degradation in Jharkhand?

11. How is overgrazing responsible for land degradation in Gujarat?

12.. Explain any three ways to solve this problem resource planning is a complex process justify the statement with arguments.

13. Which type of soil is most suitable for growing the crop of cashew nut?

14. Which type of soil in India's most widespread and important?

15.. Highlight the reason for land being known as utmost important natural resource.

The Rise of Nationalism in Europe

1. Describe the explosive conditions prevailed in Balkans after 1871 in Europe.

2. Describe any three economic hardships faced by Europe in the 1830s.

3. ''The first clear expression of nationalism came with the 'French Revolution' in 1789.'' Examine the statement.

4. Who remarked "When France sneezes the rest of Europe catches cold"

5. "The decade of 1830 had brought great economic hardship in Europe "Support the statement with arguments.

6. "Napolean had destroyed democracy in France but in administrative field he had incorporated revolutionary principles in order to make the whole system more rational and efficient." Analyze the statement with arguments.

7. What was the main aim of the French revolutionaries?

8. How did nationalism develop through culture in Europe? Explain.

9. Describe any five steps taken by the French Revolutionaries to create a sense of collective identity among the French people.

10. How did culture play an important role in creating the idea of the 'nation' in Europe? Explain with examples?

11. Describe any five measures introduced by the French Revolutionaries to create a sense

Of collective identity amongst the French people.

12. Who implemented the 'Civil Code' of 1804 in France?

13. Describe the process of Unification of Italy.

14. Explain any five reforms introduced by Napoleon in the regions under his 18. Why did French artist, Frederic Sorrieu prepare a series of print based on democratic and Socialist republics in 1848?

15. Why did Slavic nationalist struggle in the 19th century? Give one reason.

16. Describe the ideology of liberalism during early 19th century.

17. Which power dominated the nation-building process in Germany?

18. Why did French artist, Frederic Sorrieu prepare a series of print based on democratic and socialist republics in 1848?

19. Ideas of national unity in the early nineteenth century Europe were closely allied to the Ideology of liberalism'. Support the statement with arguments.

20. Which of the following aspect best signifies this image of 'Germania'?

    A. Heroism and Justice B. Folk and Cultural Tradition C. Austerity and Asceticism D. Strength and revenge

Summer Vacation Holiday Homework – 2023

Class- VIII   **Subject- Science**

1. Perform Activity 1.2 of chapter 1 . Take photograph of it and paste it in copy . Write your observation in H.W copy .
2. Write answers of all exercise questions of chapter 1
3. Complete the M.D.P project on the topic – Balance diet – Flow chart
    Food nutrition
    Health and fitness
4. Plant a sapling of any fruit or timber producing plant. Take photograph and paste it in H.W copy
5. Write the names and symptoms of any 5 – Bacterial disease and viral disease

Summer Vacation Holiday Homework – 2023

Class- VIII   **Subject- Science**

1. Perform Activity 1.2 of chapter 1 . Take photograph of it and paste it in copy . Write your observation in H.W copy .
2. Write answers of all exercise questions of chapter 1
3. Complete the M.D.P project on the topic – Balance diet – Flow chart
   Food nutrition
   Health and fitness
4. Plant a sapling of any fruit or timber producing plant. Take photograph and paste it in H.W copy
5. Write the names and symptoms of any 5 – Bacterial disease and viral disease

KENDRIYA VIDYALAYA CHERO, SALEMPUR

SUMMER VACATION HOLIDAY HOMEWORK

SUBJECT - ENGLISH

CLASS -7

1. Make a list of 10 different types of Phobia.
2. Write 20 Antonyms and 20 Synonyms .
3. Design a Colourful posterfor a rally to promote girl education in our country. Paste picture or make colourful drawings to high light your message.
4. Collect 5 advertisement of Indian brands from newspaper/magazine and paste in your note book.
5. You or Priti/Priya your watch is lost in the school play ground .Write a notice on the school notice board providing all necessary details .
6. Read and learn the lesson and poems ,we have done in classes for PT-1 .
7. Make a MDP on given any one topic –
   I -Plastic "A Boon or Bane"
   II-Forest

KENDRIYA VIDYALAYA CHERO, SALEMPUR

SUMMER VACATION HOME WORK

 CLASS- IX

SUBJECT: ENGLISH

1. While going home You came across many Children on The Road at cross roads with begging bowls in their hands.You are Shocked and disgusted at the unflattering Picture of Country which boasts Of Bring A Major Economy In The World Record Your Experience In Your Diary.

2. Read the chapter The Man Who Knew ToMuch and make notes on It.

3.Daily Practise minimum one or two exercises of Tense.

4.Learn all The Questions/Answers Of the chapter which have been discussed Yet.

TECHER: APARANA SRIVASTAVA

1.Questionnaire Making

 Read the chapter-Nelson Mandela"ALong Walk To Freedom "and prepare 15 Multiple Choice Questions and prepare note on it .

2. Make a Portfolio an give any one topic-
A letter to God , Dust of snow ,A Triumph of Surgery , Nelson Mandela

3. Daily Practise minimum one or two exercises of Tense.

4. Learn all the question / answer of the chapter which have been discussed yet.

5. Write articles, self composed poem, report on excursion, Speech , story writing , Riddles , Puzzles etc. For school magazine.

TEACHER : APARNA SRIVASTAVA

Summer Vacation Holiday Homework – 2023

Class- VIII   **Subject- Science**

1. Perform Activity 1.2 of chapter 1 . Take photograph of it and paste it in copy . Write your observation in H.W copy .
2. Write answers of all exercise questions of chapter 1
3. Complete the M.D.P project on the topic – Balance diet – Flow chart
   Food nutrition
   Health and fitness
4. Plant a sapling of any fruit or timber producing plant. Take photograph and paste it in H.W copy
5. Write the names and symptoms of any 5 – Bacterial disease and viral disease

02/05/2023

ग्रीष्मकालीन अवकाश
गृहकार्य
विषय- हिन्दी

कक्षा 6 वीं

1. अपना परिचय देते हुए दस वाक्य लिखिए।
2. आपके प्रिय मित्र या सहेली के बारे में बताते हुए दस वाक्य लिखिए।
3. ग्रीष्मावकाश में अपने द्वारा पढ़ी हुई किसी पुस्तक के बारे में दस वाक्य लिखिए।
4. अपने चाचाजी की शादी में आने हेतु निमंत्रण भेजते हुए अपने मित्र को पत्र लिखिए।
5. आपकी तबियत ठीक नहीं है इसलिए आप तीन दिनों तक विद्यालय नहीं आ सकते, अतः तीन दिनों का अवकाश मांगते हुए आप अपने विद्यालय के प्राचार्य को पत्र लिखिए।
6. संज्ञा, सर्वनाम का परिभाषा भ अक्षरए प्रकार व उदाहरण लिखिए।
7. MDP- 'खान-पान की बदलती प्रवृत्ति स्वास्थ्य के लिए हानिकारक' पर परियोजना रिपोर्ट प्रस्तुत करें।
8. लाल रामकथा पुस्तक से स्वनिर्मित प्रश्नोत्तर निम्नलिखित पाठका लिखिए—
   (क) अवधपुरी में राम   (ख) जंगल और जनकपुर   (ग) दो वरदान

कक्षा- 8वीं

1. अनुच्छेद लेखन (100 से 150 शब्दों में) —
   (क) मोबाइल फोन : वरदान या अभिशाप
   (ख) वैश्विक उष्मन : भविष्य का खतरा / मोटा आनाज वर्ष 2023.
   (ग) मेरे जीवन का लक्ष्य / मशीनीकरण से हुए सामाजिक बदलाव

2. **पत्र-लेखन**
   (क) स्थानांतरण प्रमाण पत्र हेतु प्राचार्य को पत्र लिखिए।
   (ख) योग और व्यायाम के लाभों की चर्चा करते हुए अपने मित्र को पत्र लिखिए।

3. बीस विलोम शब्द, बीस पर्यायवाचीशब्द और दस मुहावरे (अर्थ सहित) लिखिए एवं कंठस्थ करिए।

4. भारत की खोज पुस्तक से पाठ- 3 तक महत्त्वपूर्ण बिन्दुओ को लिखे एवं स्वरचित प्रश्नोत्तर लिखें।

5. MDP— भोजन की आदते और पोषक तत्व चित्र और तत्व.

कक्षा 10वीं

1. औपचारिक व अनौपचारिक पत्र की प्रारूप व एक 2 व
   100 शब्दों में लिखिए।

2. ई-मेल लेखन का प्रारूप व दो उदाहरण 80-100 शब्दों

3. निम्नलिखित में से किन्हीं दो विषय पर 120 शब्दों में अनु
   लिखिए —

   (क) स्वतंत्रता का अमृत महोत्सव
   (ख) मोटा अनाज वर्ष:2023
   (ग) भाग्य और पुरुषार्थ
   (घ) उनोदना वर्सिंग
   (ङ) पर्वतीय स्थल की यात्रा
   (च) प्लास्टिक मुक्त देश का निर्माण

4. रचना के आधार पर वाक्य के भेद (सरल, संयुक्त, मिश्र)
   तीनो का दस-दस उदाहरण सर्व वाक्य परिवर्तन करें।

5. क्षितिज व कृतिका के पढ़ाए गए पाठ को कंठस्थ करें।

6. भक्तकालीन कवि सूरदास वा तुलसीदास के जीवन परिचय
   व रचनाएँ लिखें।

कक्षा-9वीं

1. अनुच्छेद लेखन (150-200 शब्दो में)।
   (क) योग और व्यायाम का महत्त्व
   (ख) मेरे जीवन का लक्ष्य

2. पत्र-लेखन —
   (क) आतइयाक कार्य हेतु दो-दिन के अवकाश के लिए आचार्य को पत्र लिखि
   (ख) प्रात:कालीन सैर का लाभ बताते हुए अपने मित्र को पत्र लिखिए।

3. दस विलोम शब्द, दस पर्यायवाची शब्द लिखे एवं कंठस्थ किजिए।

4. द्वंद्व समास के दस उदाहरण लिखिए।

5. वाल महाभारत कथा के पुर्ननिर्मित प्रश्नोत्तर निम्नलिखित पाठ का व लिखिए
   (i) महाभारत कथा (ii) देवव्रत (iii) भीष्म प्रतिज्ञा (iv) अम्बा और भीष्म

1) शब्दरूपलेखनम् कण्ठस्थीकरणं च :   बालक, लता, पुष्प ,मुनि, भानु

2) धातुरूपलेखनं कण्ठस्थीकरणं च :   पठ् , गम् ,स्था (लट्, लइ , लृट् लकारेषु)

3) वर्णविच्छेदं कुरुत : (यथा= रामः= र् +आ +म् +अः)

चषकः , कपोतः , विद्यालयः, सिंहः, कृषकः, खनित्रम् , श्रमिका , भितिकम् , स्थानकम् ,

पोषकाणि ,वातायनम् , क्रीडनकम् , एकस्मिन् ,प्रसन्ना , अस्माकम् , सिञ्चति , सिंहाः ,गृहम् , दीपकः, व्याघ

ज्ञानी ,मयूरः ,रक्षकः |

4) सर्वनामपदं लिखत- 'सः /तौ/ते'   चित्वा

यथा = बालकः पठति । = सः पठति ।

छात्रौ लिखतः । =

नरौ गच्छतः । =

बालकाः हसन्ति । =

मयूराः नृत्यन्ति । =

गजाः चलन्ति । =

सिंहाः गर्जन्ति । =

वृक्षः फलति । =

वानरः कूर्दति । =

बालः चलति । =

सौचिकः सीव्यति । =

5)   (i) विद्यालय-प्रार्थना संस्कृत में लिखकर याद करो ।

    (ii) संस्कृत-छात्रप्रतिज्ञा लिखकर याद करो।
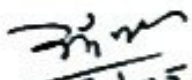
6) दश वस्तूनां चित्राणि रचयित्वा तेषां नामानि लिखत ।

Instructions:
i) All questions are compulsory.
ii) Answers should be written in the CW Sanskrit Note Book.
iii) Neat works are always appreciated.

*******All the Best*******

S.T. ____ 03/05/2023

1) धातुरूपलेखनं कण्ठस्थीकरणं च : भू, पठ् कृ, दृश् , स्था (पञ्च- लकारेषु)

2) शब्दरूपलेखनम् कण्ठस्थीकरणं च : किम् मति , नदी , पितृ अस्मद् , युष्मद्

3) संस्कृते संख्यावाचकान् लिखत । (01 से 50 तक)

4) प्रयमपाठस्य श्लोकान् स्मृत्वा स्वपुस्तिकायां लिखत ।

5) सन्धिविच्छेदयत ।

वायुष =	यथाऽहम्=
सद्भिरेव =	अपायोऽपि =
सहासीत =	अत्रैव=
सद्भिर्विवादम् =	किञ्चिदपि=
नासद्भि: =	महदाषर्यम् =
किञ्चिदाचरेत् =	कूर्मोऽपि=
फुल्लोत्पल=	सरस्तीरे=
कूर्मादीन् =	एवोक्तम्=
मैवम्=	नाभिनन्दति=

6) अत्रप्रतिज्ञां लिखित्वा स्मरन्तु ।(In Sanskrit)

7) विद्यालय-प्रार्थनां लिखित्वा स्मरन्तु। (In Sanskrit)

Instructions:
i) All questions are compulsory.
ii) Answers should be written in the CW Sanskrit Note Book.
iii) Neat works are always appreciated.

********All the Best********

S.T. 03/05/2023

1) धातुरूपलेखनं कण्ठस्थीकरणं च :   भू, पठ्, गम्, स्था (पञ्च- लकारेषु)

2) शब्दरूपलेखनम् कण्ठस्थीकरणं च :   अस्मद्, युष्मद्, किम्, मातृ, पितृ, राजन्

3) प्रथमपाठस्य श्लोकान् स्मृत्वा स्वपुस्तिकायां लिखत ।

4) सन्धिविच्छेदयत ।

- कस्मिंश्चित् =
- इतस्तत =
- किन्चिदपि =
- कोऽपि =
- अत्रैव =
- बहिरागता =
- अस्तीति =
- यन्मया =
- कृतोऽस्ति =
- एतच्छ्रुत्वा =
- साधिदम् =
- अन्येऽपि =
- तदहम् =
- करोत्यनागतम् =

5) छात्रप्रतिज्ञां लिखित्वा स्मरन्तु ।(In Sanskrit)

6) विद्यालय-प्रार्थनां लिखित्वा स्मरन्तु। (In Sanskrit)

Instructions:
I) All questions are compulsory.
II) Answers should be written in the CW Sanskrit Note Book.
iii) Neat works are always appreciated.

*******All the Best*******

S.T.   03/05/2023

1) पाठ्यक्रमस्य-धातुरूपलेखनं कण्ठस्थीकरणं च ।

2) पाठ्यक्रमस्य- शब्दरूपलेखनम् कण्ठस्थीकरणं च |

3) पञ्च-अपठित-अनुच्छेदानां प्रश्नोत्तरलेखनम् ।

4) पञ्च- चित्रवर्णनम् कुरुत ।

5) पञ्च- पत्रलेखनम् ।

6) द्वितीयपाठस्य श्लोकान् स्मृत्वा स्वपुस्तिकायां लिखत ।

7) स्वरसन्धे: उदाहरणानि लिखत | (प्रत्येकस्य कृते दश उदाहरणानि)

8) प्रतिदिनं संस्कृतपाठ्यपुस्तकस्य एकं पृष्ठम् (01 page) अवश्य पठन्तु ।

Instructions:

i) All questions are compulsory.

ii) Answers should be written in the CW Sanskrit Note Book.

iii) Neat works are always appreciated.

*******All the Best*******

S.T.   13/05/2023

Summer Vacation Homework 2023
Class VI A & B sub-English

1- Five line handwriting (cursive) per day

2- 30 Verb Forms V^1 V^2 V^3

3- Write and learn question answer lesson 1 and 2

4- Tense, Gap Filling   MDP Food Nutrition (Pictures and essay)

5- 30 wordmeaning

6- Application, letter

7- Paragraph —— Festival, Great leader
   writing   my school

Holiday H. W.
class 7 A Sub- English

1- 20 Verb Form and their use

2. Write two types —— Application, Notice, letter

3- Active - Passive, Tense

4. 30 wordmeanings, 2- opposite

5. write two stories

6- How did you spend your holiday? Describe.

7- 15 Jumble words

MDP Food Nutrition (pictures and essay)

Holiday Homework
Class VIII B   Sub - English

1 - 3c Verb Forms and their uses

2 - Two types - applications, letters, Notices

3. Active - Passive , Tenses , Direct - Indirect

4 - 10 reordering (Jumble words) words

5 - Paragraph writing Topic - My school , Favourite Festival and Leader
    Great

m DP   Food Nutrition (pictures and essay)

c+ class VI B
Babu Ram

HOLIDAY HOMEWORK (SUMMER VACATION)-2023

CLASS: X   SUBJECT: SOCIAL SCIENCE

Project

Every student has to compulsorily undertake any one project on the following topics:

Consumer Awareness
OR
Social Issues
OR
Sustainable Development

Map work

Locate all major soil types (India) on the suitable map of India.

1. **Alluvial**   2. **Black**   3. **Red and Yellow**

4. **Laterite**   5. **Arid**   6. **Forest and Mountains**

Write the answers of following questions in home work copy.

Resources and Development

1.Wind energy received in abundance in western Rajasthan and Gujarat has not been so far utilized and developed to the maximum. It falls in which category of resources?

2. Classify resources on the basis of exhaustibility.

3.Classify resources on the basis of origin.

4."Conservation of resource is vital for development". Give one example regarding the statement.

5.."Degradation of land is a cause of worry". Give one reason to support the statement.

6. How is over irrigation responsible for land degradation in Punjab?

7. How is cement industry responsible for land degradation?

8. Describe any three main features of alluvial soil found in India.

9. Describe any three main features of black soil found in India.

10. How are mining activities responsible for land degradation in Jharkhand?

11. How is overgrazing responsible for land degradation in Gujarat?

12.. Explain any three ways to solve this problem resource planning is a complex process justify the statement with arguments.

13. Which type of soil is most suitable for growing the crop of cashew nut?

14. Which type of soil in India's most widespread and important?

15.. Highlight the reason for land being known as utmost important natural resource.

The Rise of Nationalism in Europe

1. Describe the explosive conditions prevailed in Balkans after 1871 in Europe.

2. Describe any three economic hardships faced by Europe in the 1830s.

3. ''The first clear expression of nationalism came with the 'French Revolution' in 1789.'' Examine the statement.

4. Who remarked "When France sneezes the rest of Europe catches cold"

5. "The decade of 1830 had brought great economic hardship in Europe "Support the statement with arguments.

6. "Napolean had destroyed democracy in France but in administrative field he had incorporated revolutionary principles in order to make the whole system more rational and efficient." Analyze the statement with arguments.

7. What was the main aim of the French revolutionaries?

8. How did nationalism develop through culture in Europe? Explain.

9. Describe any five steps taken by the French Revolutionaries to create a sense of collective identity among the French people.

10. How did culture play an important role in creating the idea of the 'nation' in Europe? Explain with examples?

11. Describe any five measures introduced by the French Revolutionaries to create a sense

Of collective identity amongst the French people.

12. Who implemented the 'Civil Code' of 1804 in France?

13. Describe the process of Unification of Italy.

14. Explain any five reforms introduced by Napoleon in the regions under his 18. Why did French artist, Frederic Sorrieu prepare a series of print based on democratic and Socialist republics in 1848?

15. Why did Slavic nationalist struggle in the 19th century? Give one reason.

16. Describe the ideology of liberalism during early 19th century.

17. Which power dominated the nation-building process in Germany?

18. Why did French artist, Frederic Sorrieu prepare a series of print based on democratic and socialist republics in 1848?

19. Ideas of national unity in the early nineteenth century Europe were closely allied to the Ideology of liberalism'. Support the statement with arguments.

20. Which of the following aspect best signifies this image of 'Germania'?

   A. Heroism and Justice B. Folk and Cultural Tradition C. Austerity and Asceticism D. Strength and revenge

KENDRIYA VIDYALAYA CHERO SALEMPUR
SUMMER VACATION HOLIDAY HOMRWORK
SUBJECT MATHS
CLASS 9B

Activity 1 = To construct square root spiral

Activity 2= To verify the algebraic identity $(a+b)^2 = a^2 + 2ab + b^2$

Activity 3 = To verify the algebraic identity $(a-b)^2 = a^2 - 2ab = b^2$

Activity 4 = Toverify the algebraic identity $a^2 - b^2 = (a+b)(a-b)$

CHAPTER 1
NUMBER SYSTEM

EXERCISE 1.1 QUESTION - 2,3

EXERCISE 1.2 QUESTION - 3

EXERCISE 1.3 QUESTION - 3,8,9

EXERICISE 1.4 QUESTION - 4,5

EXERCISE 2.1 QUESTION - 1,2,3

EXERCISE 2.2 QUESTION - 4

CLASS TEACHER : GUTAM GUPTA SIR

SUMMER VACATION HOMEWORK (2023-24)

VII (MATHEMATICS)

Instructions: a) Do your work neatly b) Learn tables till 25

C) LEARN COUNTING TILL 100 IN HINDI.

1. Complete your notebook.
2. Make a project/ model on "Mathematics around us ".
3. Prepare for test after vacation (1st, 2nd and 3rd chapter).

SOLVE QUESTION IN SEPARATE NOTBOOK

1. Knowing More about Fractions •

How to do: - Conduct a survey of 25 families of your locality and collect data that

✓ **How many families have four wheeler?**

✓ **How many families have two wheeler?**

✓ **How many families have both four wheeler and two wheeler?**

✓ **How many families have Bicycle?**

Calculate the fraction of data collected to that of total number of families in all the four parts. Also represent those fractions on different circles and paste them.

2. Mathematical Greetings What to do: - Make a colorful greeting card of size 15cm × 12cm on the following topic according to your roll number.

1.Roll No. 1-20 Properties of Integers 2. Different types of fractions Roll No.(21-42)

KENDRIYA VIDYALAYA CHERO SALEMPUR

SUMMER VACATION HOMEWORK (2023-24)

VIII (MATHEMATICS)

1. Complete your notebook.
2. Prepare for test after vacation (1st, 2nd and 3rd chapter).

Creative work

1. Prepare working model to show sum of interior angles of quadrilateral is 360. (R.No- 1-20)
2. Write square, square root& cube root on a chart paper 1 to 30. (R.No- 21- onwards)
3. Collect information on Hardy Ramanujam number.(1-20)
4. To make a working model to find types of quadrilateral. (21- onward)

Question .1. Write the contribution of the following scientist in the study of the cell.

(A) Robert Hooke
(B) Purkinje
(C) Leeuwenhook
(D) Robert Brown
(E) Schleiden & Schwann

Question .2. Write anote on " Fundamentalunit of life."

Question .3. Prepare 20 MCQ from the chapter " Matterin our surroundings."

Question .4. Ice ,water &steam are three state of asubstance and not different substances. Justify?

Question.5. What are the main functions of each of the following components?

(A)   Plasma Membrane   (C)Nucleus
(B)   Mitochondria   (D) Ribosome

Question .6. Name –

(A) An organelle which has its own genetic material.
(B) An organelle rich in digestive enzymes.
(C) Nucleus acid present in nucleus.

Question.7. Which kind of plastid is more common –

(A) Roots of the plant   (B) Flowers and fruits   (C)Leaves of the plant

Question .8. compare in tabular from the properties of solids ,liquid & gases with respect to –

(1) Shape (2) Volume (3) Compressibility (4) Diffusion (5)Fluidity Or Rigidity

Question.9. Why evaporation is called surface phenomenon?

Question.10. Name the S.I unit of measuring temperature.

Question.11. Name the process which occurs when a drop of Dettol added to water?

Question.12. Explain interconversion of three states of matter with the help of flow chart. Name the process of each conversion?

Question.13. Make a portfolio.

Question.14. Make a model on any topic related to science.

KENDRIYA VIDYALAYA CHERO SALEMPUR

SUMMER VACATION HOLIDAY HOMEWORK

CLASS X (A & B)

SUBJECT: SCIENCE

Question.1. (A) Explain the term 'corrosion ' with an example.

(B) What type of chemical reaction is responsible for causing rancidity?

(C) State & explain the various methods for preventing or retarding rancidity of food.

Question.2. Make a project report on kidneys dialysis including.

    (A) What is meant by dialysis?
    (B) What type of patient are put on dialysis?
    (C) Explain the principle of dialysis with the help of a labelled diagram?

Question.3. Draw 3D charts/working model on any one of the following topics –

    (A) Pumping of heat.   (D) Excretory system.
    (B) Digestive system.   (E) Human brain.
    (C) Respiratory system.   (F) Nervous system.

Question.4.(A) What happens when an aqueous solution of sodium sulphate reacts

    With an aqueous solution of barium chloride?
    (B)Write the balanced chemical equation for the reaction which takes place.

    (C)State the physical condition of reactions in which the reaction will not take place.

(D) Name the type of chemical reaction which occurs.

(E) Give one example of another reaction which is of the same type as the above reaction.

Question.5. Make a working model for science exhibition – "Technology and Toys"

Sub – Theme –

    (1) Advancement in information & communication technology.
    (2) Eco – friendly material.
    (3) Heath & cleanliness.
    (4) Transport &jnnovation.
    (5) Environmental concerns.
    (6) Historical development with current innovation.

Teacher :Sanya Yadav

KENDRIYA VIDYALAYA CHERO SALEMPUR

SUMMER VACATION

HOLIDAY HOMEWORK

CLASS :XII

ECONOMICS

1. Draw the circular flow of income in two sector model.

2. Differentiate b/w following terms-
   i) Revenue & capital receipt.
   ii) Revenue & capital expenditure.
   iii) Fiscal deficit, primary deficit & revenue deficit.
   iv) Surplus & deficit budget.
3. Introduce the following terms:-
   i) Domestic Territory
   ii) Normal residents
   iii) Factor income and transfer income
   iv) Final goods and intermediate goods
   v) Consumption goods and capital goods
   vi) Net investment and gross investment
   vii) NIT
   viii) Subsidies
   ix) Factor cost and market price
   x) Define various aggregates of national income?

4. What do you understand by problem of double counting ? how can you avoid it.

5. What is income method to calculate national income? Write about components of factor income.

6. Explain the precautions taken in different methods of national income?

7. What do you mean by expenditure method? Explain the components of final expenditure.

8. Write short notes on GDP and welfare ?

9. Practice items about treatment of the different items in the national income.

10. Define the following:-

    1) Nominal GDP and real GDP
    2) National income at current price and constant price
    3) National income and Domestic income

11. Solve Numerical Questions of national income given in the question paper provided in class in a separate copy.

12. study the chapters of Indian Economic development told in class & create mind map in copy.

KENDRIYA VIDYALAYA CHERO SALEMPUR

HOLIDAY HOMEWORK (SUMMER VACATION 2023-24)

CLASS: VI

1. Write and learn tables 2-20.
2. Revise chapters 1, 2&3.
3. Prepare a project on the topic **"TYPES OF ANGLES".**
   Make a write up colorful and beautiful as possible. Format of writeup
   i)   Introduction   ii) Description   iii) References

KENDRIYA VIDYALAYA CHERO SALEMPUR

HOLIDAY HOMEWORK (SUMMER VACATION 2023-24)

CLASS: IX

1. Write and learn tables 2-20.
2. Write and learn Squares and Cubes 1-20.
3. Revise chapters 1 & 2.
4. Prepare a project on the topic **"LIFE OF MATHEMATICS".**
   Make a write up colorful and beautiful as possible. Format of writeup
   i)   Introduction   ii) Description   iii) References

KENDRIYA VIDYALAYA CHERO SALEMPUR

HOLIDAY HOMEWORK (SUMMER VACATION 2023-24)

CLASS: X

1. Write and learn tables 2-20.
2. Write and learn Squares and Cubes 1-20.
3. Revise chapters 1, 2& 4.
4. Solve all CASE STUDY BASED QUESTIONS from chapters 1, 2 & 4 provided by CBSE.
5. Prepare a project on anyone of the given topic **"PERIMETER, AREAS & VOLUMES OF 2D AND 3D FIGURES", "APPLICATION OF TRIGONOMETRY".**
   Make a write up colorful and beautiful as possible. Format of writeup
   i)   Introduction   ii) Description   iii) References

KENDRIYA VIDYALAYA CHERO SALEMPUR

SUMMER VACATION HOLIDAY HOME WORK

XII (A)

SUBJECT: MATHS

Activity:1: To Verify That The Relation R In The Set Of All Lines L In A Plane Defined By R=S (L,M): L 11m} Is An Equvalence Relation.

Activity:2: To Demonstrate A Function Which Is One ToOne To One But Not Onto.

Activity:3: Explore The Principal Value Y=Sin^{-1}x Using A Unit Circle.

Activity:4: To Demonstrate A Function Which Is Not One To One But Is Onto.

CHAPTER – 1 RELATION AND FUNCTION

Example – 1 , Example – 5

Exercise – 1.1

Question – 2,3,4,5,8

Example – 12,13,14

Exercise – 1.2

Question – 7,8,9

Example – 18,22,23,24

CHAPTER – 2 INVERSE TRIGONOMETRIC FUNCTION

Exercise - 2.1

Question – 8,10,11,12,14

Exercise – 2.2

Question – 10,11,13,14,15

CHAPTER – 3 MATRICES

Example – 2,3

Exercise – 3.1

Question – 6,7

MR. G.K GUPTA