KENDRIYA VIDYALAYA HINJILICUT

HOLIDAY HOMEWORK

SUMMER VACATION

Class: VI   Sub: English

1. Write and learn 20 collective nouns.

2. Honeysuckle - Page no.25, Draw and label on a chart paper and learn also.

3. Draw a picture of your choice and write 5 sentences about the picture.

4.Why should we study the English language? Give reasons. (min.2 points)

5.Pick out the Nouns in the following sentences and say whether they are Proper, Common, Material, Collective or Abstract.

A. .Raman is a good boy.

B. .One should believe in truth.

C. .A soldier is respected for his bravery.

D..Ornaments are made of gold and silver.

E. .The case was decided by a bench of judges.

F.Mumbai is a big city.

G.The team won the match.

H.Blindness is the greatest curse.

I.Wisdom is better than strength.

J.This table is made of steel.

Class: VI   Sub: Hindi

* सारे प्रश्नों के उत्तर लिखो ।

1. पद्यांश में कैसी चिड़िया की बात की गई है ?

2 चिड़िया का स्वाभाव कैसा है ?

3 कवि ने चिड़िया को संतोषी क्यों कहा है ?

4 'रूचि से' शब्द का अर्थ क्या है ?

5 चिड़िया किसकी खातिर गाती है ?

6 चिड़िया को किन किन चीजों से प्यार है ?

7 . उसे(चिड़िया) किससे प्यार है ?

8 'दिल टटोलना' का क्या अर्थ है ?

9 'मुझे बिजन से बहुत प्यार है' इस पंक्ति का आशय क्या है ? कवि ने चिड़िया को गर्वीली क्यों कहा है ?

10 चिड़िया को किन किन चीजों से प्यार है ?

11 हमें चिड़िया की जैसी क्यों संतोषी होना चाहिए ?

12"सीता हमेशा धीरे धीरे हसती है" विशेषण क्या है लिखो

13 "सूरज सबसे अच्छा व्यवहार करता है" यहाँ विशेष्य शब्द क्या है ?

14 मंदिर का एक विशेषण शब्द लिखो

15' 'पुराने' का विलोम शब्द क्या है ?

Class: VI   Sub: Sanskrit

I. 1.नृप - शब्दं पञ्चवारं लिखित्वा आनयन्तु। (नृप शब्दरूप को पाँच बार लिखो)

2.राम - शब्दं पञ्चवारं लिखित्वा आनयन्तु। (माला शब्दरूप को पांचबार लिखो)

3. बालिका -शब्दं पञ्चवारं लिखित्वा आनयन्तु । (कवि शब्दरूप को पांचबार लिखो)

4. लिख् - धातुं चतुर्षु लकारेषु लिख । (लट् ,लृट ,लङ्ग)

5. प्रातः समयस्य चित्रं वर्णयतु ।(प्रातः समय दृश्य का चित्र बनाओ)

II. प्रदत्तानां वर्णविच्छेदं वर्णसंयोजनं वा कुरुत

(अ) मयूराः= म् + अ + य् +.....................र् + आ

(अ)य   (ब) यू (स) उ (द)ऊ

(ब) सोहनः= स् + ओ + ह् + ... न् + अः

(अ) ओ   (ब) औ   (स) ऊ   (द) अ

(स) बालिका = ब् + ... + ल् + इ + क् + आ

(अ) आ   (ब) इ   (स) ई   (द) अ

(द) हेमन्तः= ह् + ... + म् + अ + न् + त् + अः

(अ) अ   (ब) ए   (स) ऐ   (द) ओ

(य) न् + ऊ + त् + अ + न् + आ + न् + इ = ...

अ) नूतनानि   (ब) नुतननि   (स) नुतननि   (द) नुत्लानी

(र) प् + उ + स् + त् + अ + क् + अ + म् =..............................

(अ) पुस्तक (ब) पुस्तकम् (स) पुस्तक (द) पुसतकम

(ल) व् + आ + त् + आ + य् + अ + न् + अ + म् = ...

(अ)वतयनं (ब) वातायनम् (स) वतायनम्(द) वत्यानम्

(व) व् + ऋ + द् + ध् + आ = ...

(अ) वर्धा   (ब) वृद्धा   (स) वृध   (द) त्रिधा

(ह) उ + प् + अ + न् + ए + त् + र् + अ + म् = ...

(अ) उपनेत्रम   (ब) उपनेतरम् (स) उपनेत्रम्   (द) उपत्र

(स) म् + आ + प् + इ + क् + आ = ...

Class: VI   Sub: Mathematics

1. Find the greatest and the smallest numbers.

   (a) 4536, 4892, 4370, 4452. (b) 15623, 15073, 15189, 15800. (c) 25286, 25245, 25270, 25210. (d) 6895, 23787, 24569, 24659

2. Arrange the following numbers in ascending order :

   (a) 847, 9754, 8320, 571 (b) 9801, 25751, 36501, 38802.

3. Place commas correctly and write the numerals:

   (a) Seventy three lakh seventy five thousand three hundred seven.

   (b) Nine crore five lakh forty one.

   (c) Seven crore fifty two lakh twenty one thousand three hundred two.

   (d) Fifty eight million four hundred twenty three thousand two hundred two.

   (e) Twenty three lakh thirty thousand ten.

4. To stitch a shirt, 2 m 15 cm cloth is needed. Out of 40 m cloth, how many shirts can bestitched and how much cloth will remain?

5. A machine, on an average, manufactures 2,825 screws a day. How many screws did it produce in the month of January 2006?

6. In one state, the number of bicycles sold in the year 2002-2003 was 7,43,000. In the year 2003- 2004, the number of bicycles sold was 8,00,100. In which year were more bicycles sold? and how many more?

7. Take the digits 4, 5, 6, 7, 8 and 9. Make any three numbers each with 8 digits. Put commas for easy reading.

8. How can we get the successor of a whole number?

9. Find 2 × 6 and 4 × 2 using the number line.

10. A School canteen charges Rs. 20 for lunch and Rs. 4 for milk for each day. How much money do you spend in 5 days on these things?

Fill in the blanks:

1.   For proper _____ and _____ our body needs adequate food.

2.   Proteins build _____ materials.

3.   Starch is a _____ sugar.

4.   _____ gives blue colour with iodine.

5.   Proteins are made up of _____.

6.   Our body contains _____ of water.

7.   The diet rich in all the nutrients is called _____.

8.   _____ contains much more energy than carbohydrates.

Name two sources from each of the following:

1.   Carbohydrates

2.   Proteins

3.   Fats

4.   Vitamins

5.   Mineral

Answer the following:

1.   Prepare a chart on nutrients, their sources and functions.

2.   What is deficiency disease? Name the different diseases caused due to deficiency of Vitamins and minerals.

3.   What is junk food? Prepare a chart and paste the pictures of some junk foods (minimum 10).

NOTE:- ● Complete the class notes and textual exercise of chapter 2 and 4.

● Read the textbook thoroughly.

*****HAPPY SUMMER VACATION*****

Class: VII   Sub: English

1.Read and write summary of The Gift of chappals lesson.

2.You are Rajnish of Class VIII A. You have found a pencil box in the school library. Write a notice to be put up on the school notice board asking the real owner to come and collect it.

3.Write a letter to your uncle thanking him for the birthday present he had sent for you.

4.Identify the type of tenses and write it.

A. Damon drinks coffee every morning.

B. The boy got up late and missed the bus.

C. My mother goes to pray in the temple.

D. The team is playing very well.

E. The school will be closed for winter break.

F. Leonard graduated from college last year.

G. The baby has eaten all the chips.

5.Write tense in your hw

6.Pick out the Nouns in the following sentences and say whether they are Proper, Common, Material, Collective or Abstract.

A.Raman is a good boy.

B.One should believe in truth.

C.A soldier is respected for his bravery.

D.Ornaments are made of gold and silver.

F.The case was decided by a bench of judges.

6.Mumbai is a big city.

7.The team won the match.

8.Blindness is the greatest curse.

9.Wisdom is better than strength.

10.This table is made of steel.

Class: VII   Sub: Hindi

1. विशेषण किसे कहते हैं?

2. विशेषण के कितने भेद हैं? सबका सोदाहरण परिचय दो ।

3. निम्नलिखित शब्दों का विशेषण रुप लिखिए ।

    जैसे--- अध्ययन से अध्ययनीय

    अध्यात्म   अधर्म   अर्थ

    अतिथि   अनुकरण   अनुवाद

    अपमान   अवलंब   आत्म

    आदर   लाठीदेह

    रोमांचधूमहृदय

    मर्यादा   पाठपानी

4. निम्नलिखित वाक्यों में समाहित विशेषण का लिंग बदलकर वाक्य दोबारा लिखिए -

क . आपके पास रखे हुए कपड़े बहुत गंदे हैं ।

ख. बुद्धिमान युवकों की सभी कद्र करते हैं ।

ग. वह लड़का गुणवान है ।

घ. यह प्रसंग अनूठा है ।

इवह बडा बुरा पड़ोसी है ।

च. अध्यापक बुद्धिमान है ।

छ. कल मेरी चचेरी बहन मिलने आएगी ।

ज. मोहन बलवान युवक है ।

Class: VII   Sub: Sanskrit

1- संख्याबचक शब्द माध्यमेन संस्कृतवाक्यान् लेखनम ।(10 वाक्यान्)

2-समयबाचक शब्द माध्यमेन 5 संस्कृतवाक्यानांलेखनम।

3- क्रीड् धातु पंचवारं लिखित्वा आनयन्तु।

4- तत् शब्द (पुँल्लिङ्गे, स्त्रीलिङ्गे, नपुंसकलिङ्गे) लिखित्वा आनयन्तु।कंठस्थी अपि करणीयम् ।

5. सुभाषितानि पाठे स्थितः श्लोकानां कंठस्थीकरणम् ।

6. चित्रं दृष्ट्वा मञ्जूषात: पदानि च प्रयुज्य त्रिणिवाक्यानि रचयत-   2 x 3 = 6

> लिखति , कक्षायाम् , श्यामपट्टे , लिखन्ति , स: , पुस्तिकायाम् , शिक्षक: , छात्रा: उत्तराणि , प्रश्नम् , ते

Class: VII   Sub: Mathematics

1.   Verify (-30) x [13+(-3)] = [(-30) x13] + [(-30) x (-30]

2.   Calculate 1-2+3-4+5-6+7-8+9-10

3.   Write the pair of integers whose product is-72 and sum is 1.

4.   Find the product using suitable properties.

(a) 16 x (-24) + (-24) x 17

 (b) 23 x (-36) x 10

5.   Mohan deposits Rs 2,000 in his bank account and withdraws Rs 1,642 from it, the next day. If withdrawal of an amount from the account is represented by a negative integer, then how will you represent the amount deposited? Find the balance in Mohan's account after the withdrawal.

6.   Rita goes 20 km towards east from a point A to point B , she moves 30 km toward west along the same road . if the distance toward east is represented by a positive integer then , how will you represent the distance travelled toward west ? by which integer will you represent her final positive from A?

7. Why is '1' called multiplicative identity for integers?

8. Write all integer between (a) -11 & 11 (b) -6 & 1

9. Fill in the blank to make the statements true;

(a) -6x5=-30

 (b) -6x4=-24=-30-(-6)

(c) -6x3=____=-24 – (-6)

(d) -6x2=-12=____-(-6)

 (e) -6x1=____=-12- (____)

(f) -6x0=____= (____)- (____)

10. . represent the following on no. line, (-10)- (-5)

Class: VII   Sub: Science

1) What is photosynthesis? Describe the process with a diagram and mention the main role of chlorophyll in photosynthesis.

2) Describe the working of the pitcher plant.

3) How does Amoeba digest its food?

4) Name the teeth which are for

- Chewing and grinding food
- Piercing and tearing the food
- Biting and cutting food

5) How do you differentiate between absorption and assimilation?

6) Where is the gallbladder and what is its role?
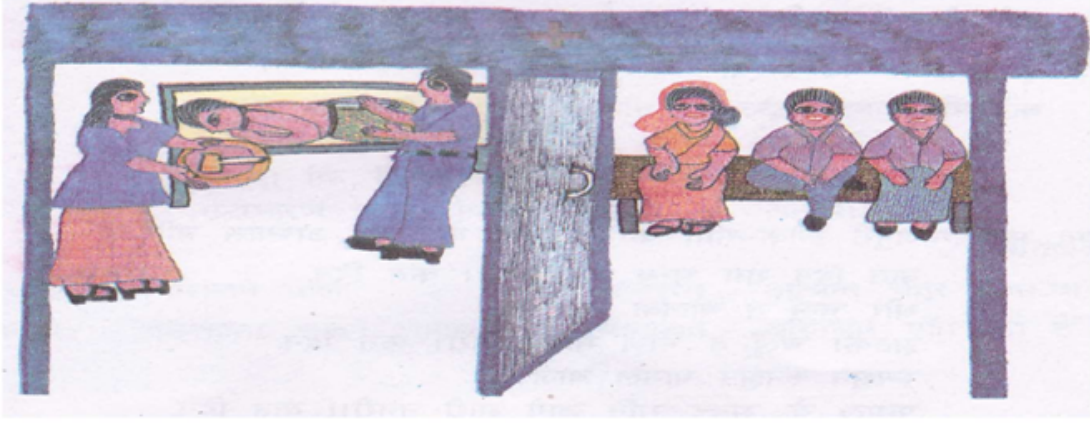
7) How is the process of digestion different in ruminants?

8) Write down the answers of Exercise II (Nutrition in animals).

***** HAPPY SUMMER VACATION *****

Class:VIII   Sub: English

1.Read The best Christmas present in the world lesson and write a summary of it.

2.You are Rajnish of Class VIII A. You have found a pencil box in the school library. Write a notice to be put up on the school notice board asking the real owner to come and collect it.

3.Write a letter to your uncle thanking him for the birthday present he had sent for you.

4.You are Rohit. Today morning you received a call from Mr. Joseph, your fathers friend. Your father was on his morning walk. Mr. Joseph asked you to please convey your father that he had a fever. He is not in position to go to the office today. He has asked your father to inform the Managing Director about it.

5.Identify the type of tenses and write it.

A. Damon drinks coffee every morning.

B. The boy got up late and missed the bus.

C. My mother goes to pray in the temple.

D. The team is playing very well.

E. The school will be closed for winter break.

F. Leonard graduated from college last year.

G. The baby has eaten all the chips

6.Write tense in your hw.

7. Write passive voice and active voice

1.सुभाषितानि पाठे स्थितः श्लोकानां कंठस्थिकरणम् ।

2- स्वरसन्धि विषये उदाहरण सह लिखतु ।

3-यत् ,इदम - शब्दरूपंपंचवारं लिखित्वा कंठस्थी कुर्वन्तु ।

4.मञ्जूषाप्रदत्तशब्दानां सहायतया अधोलिखितं चित्रम् आधारीकृत्य संस्कृतेन पञ्चवाक्यानि लिखत

चिकित्सालयः, चिकित्सकः, रुग्णान्, चिकित्सार्थम्, नगरे,परिचरति, जनाः, आगच्छन्ति, परिचारिका, ददाति, करोति, औषधम्|

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5. अधोलिखितवाक्येषु रेखाङ्कितपदानि आधृत्य प्रश्ननिर्माणं कुरुत -

i)नद्यःसुस्वादुतोयाः भवन्ति ।

ii)लुब्धस्य यशः नश्यति ।

iii)गुणाःगुणज्ञेषु गुणाः भवन्ति ।

iv) भोजपत्रोपरि लेखनम् आरब्धम् ।

v) विश्रामगृहेषु कक्षं सुनिश्चितं भवेत्।

Class: VIII   Sub: Hindi

1. सरकारी अस्पताल के डॉक्टर और एक नागरिक के बीच संवाद लेखन कीजिए।

2. कोरोना से जीवन में आए बदलाव पर अनुच्छेद लिखिए।

3. 10 उपसर्ग और 10 प्रत्यय का उपयोग करते हुए नए शब्द लिखिए।

4. अपने पाठ्य पुस्तक में आए 50 विलोम शब्द कोछाँटकर लिखिए ।

5 . ध्वनि, लाख कीचूड़ियाँ, बस की यात्रापाठ का पुनरावृति कीजिए ।

Class: VIII   Sub: Science

1) Why is it important to loosen the soil before sowing seeds?

2) State the differences between manures and fertilisers.

3) Differentiate between kharif and rabi crops.

4) State at least five beneficial effects of microorganisms.

5) Mention the important uses of microorganisms in agriculture and medicine.

6) How do vaccines work?

7) How can we prevent the following diseases ?

        i.   Cholera

        ii.   Hepatitis A

8) What is animal husbandry?

*****HAPPY SUMMER VACATION*****

Class: IX   Sub: English

1. Email Writing.

   A. You are Tarun/Taruna, living at C-4, Janakapuri, New Delhi. You ordered one dozen electronic toys, out of which some have been damaged during postal delivery. Write an email to the manager of M/S Toyland and Co., requesting him to replace the damaged toys immediately. Do not exceed 120 words.
   B. Write an email in about 120 words to your friend describing how you are enjoying your holidays.

2. Fill in the blanks by using appropriate verb forms.

   A. Poor fellow! I ___(consider) him to be extremely unlucky.
   B. Research ___(show) that cycling is a good exercise.
   C. My sister is a linguist. She ___(speak) six languages fluently.
   D. Why ___(be) you __(not wear) your new dress?
   E. We ___(always want) a house in the hills but we are unable to decide the exact place.
   F. It ___ (rain) quite heavily. You can't go out just yet.
   G. I ___ (know) him for most of my life.
   H. _____ (be) the guests _____ (arrive)?
   I. The sales figures _____ (increase) for some time, but this fortnight there has been an all – time high.
   J. She _____ (drive) since the age of eighteen.

Class: IX   Sub: Hindi

1. उपसर्ग किसे कहते हैं?
2. निम्नलिखित शब्दों का मूल शब्द और उपसर्ग को अलग कीजिए ।

अत्यंत अत्याचार   अतिप्राचीन

अधिकार अध्यादेश   अधिशुल्क

अनुशासन   अनुरूप   अपमान

उत्कर्ष   उच्छवास   उन्नायक

उपकृतदुर्घटना   निवारण

अंतर्जातीय   अंतरात्माप्राचार्य

3. निम्नलिखित उपसर्गों से दो दा नए शब्द बनाइए -

अति   अधिसुपुनर   अनु

प्रति   अभि   चिर   औ   सम

4. प्रत्यय किसे कहते हैं?
5. कृत प्रत्यय किसे कहते हैं?
6. तद्धित प्रत्यय किसेकहते हैं?
7. ऐसे चार शब्द लिखें जिनमें दो प्रत्ययोंका एक साथ प्रयोग हुआ हो?
8. कविर साखियाँकी प्रश्नोतर लीखिए ।

Class: IX   Sub: Sanskrit

1. पाठे स्थितः श्लोकानां कंठस्थीकरणं तेषां भावः हिन्दिभाषया लिख ।
2. द्रश धातु पंचवारं लिखित्वा आनयन्तु।
3.   विद्यालय विषये पंच वाक्यानि लिख ।
4. अधोदत्तचित्रस्यवर्णनंमञ्जूषायांप्रदत्तपदानांसहायतया चतुर्षुसंस्कृतवाक्येषुकुरुत।4अंका:

मञ्जूषा-

सूर्य:, खगा:, कमलानि, बालका:, बालिका:, चित्रपतङ्गः, उद्यानम् , अनेके , उत्साहेन , सुन्दरम् , कन्दुकेन ,आनन्देन , पुष्पवृक्षेषु, विकसन्ति , उदेति, क्रीडन्ति, डयन्ते , कूजन्ति

5. अधोलिखितपदानां संधिविच्छेदं कुरुत -

क- नैतादृशः = -------------------------------

ख- त्वमागता = -------------------------------

ग-सूर्यातपे =   -------------------------------

घ-मासान्ते =   -------------------------------

Class: IX   Sub: Science

PHYSICS

1. The displacement of a moving object in a given interval of time is zero. Would the distance travelled by the object also be zero? Justify your answer.
2. Differentiate between uniform and non-uniform motion.
3. What are the equations of motion? Derive $v^2 - u^2 = 2as$
4. A Car accelerates uniformly from 18 km/h to 36 km/h in 5 sec. Calculate the acceleration and the distance covered by the car in that time.
5. Write down the answers of the exercise of chapter motion.
6. Using the following data, draw displacement-time graph

Time(sec)	0	2	4	6	8	10	12
Displacement (m)	4	8	12	16	32	36	40

(a) What will be the average speed between 8 sec to 32 sec
(b) Find the exact acceleration in 2sec.

CHEMISTRY

1. What are the characteristics of the particles of matter?
2. What is dry ice? Write its chemical formula.
3. What do you understand by the term 'latent heat of fusion'? How much is the latent heat of fusion of ice?
4. What is sublimation?
5. What is latent heat ?
6. Write down about Evaporation and factors affecting it.
7. What is condensation?

Exercise of chapter 1

BIOLOGY

Answer The Following Questions:

1. Prepare a table and write the functions of different cell organelles present in a cell.

2. Distinguish between hypotonic, isotonic and hypertonic solutions.
3. State and explain the process by which amoeba obtain food.
4. Distinguish between chloroplast, chromoplast and leucoplast on the basis of their features and functions.
5. Differentiate between the following:
   a) Eukaryotic cell and prokaryotic cell
   b) Animal cell and plant cell
   c) Cell wall and cell membrane
   d) Diffusion and osmosis
   e) SER and RER

6.Draw well labelled diagrams of plant cells and animal cells.

NOTE:* Complete the class notes and textual exercise of chapter 6 (The fundamental unit of life). AND Read chapter 6 from the textbook thoroughly.

Class: IX   Sub: Artificial Intelligence

Introduction to AI

1. Take one A4 sheet. How do you think Artificial Intelligence can help you as you go about your daily life? Prepare one mind map chart and Write your ideas.

   Materials required: A4 size chart sheet and sketch pens

   Take a photo and Submit the picture via email.

2. What are the requirements for a smart home .Prepare a rough layout of your dream smart home and list out the smart appliances that you can use.

   Link for Smart Home video: https://www.youtube.com/watch?v=1CajaUoI3vU

3. Write down the name of games where AI is used ?
4. Watch this video of AI Ethics and Answer these questions:

   Link for Video: https://www.youtube.com/watch?v=vgUWKXVvO9Q

- What have you understood from the video?
- What are your learnings from it ?
5. Describe Sustainable Development Goals ?

Communications Skills

1. What is the communication cycle? Describe with diagram.
2. Write down the types of communication ?
3. What is the difference between verbal and non-verbal communication ?
4. Give examples of any five common signs used for visual communication?

*****HAPPY SUMMER VACATION*****

Class: X   Sub: English

1. Fill in the blanks by using appropriate Verb forms.

The sun (0)disappeared (disappear) behind the clouds and the sky turned grey. The wind (1)____(pick) up and a few drops of rain fell on the old tin roof. Jose (2)____(run) inside and (3)____(close) the door and all the windows. Using what little light that (4)____(come) in through the cracks in the door and the windows, he (5)____(fumble) around until he found the lamp and (6)____(place) it on the table. With (7)____(shake) hands, he (8)____(light) a match and held it against the wick. It took a moment to light up, but finally (9)____(catch) on. The wind (10)____(blow) in through the cracks caused the flame and the shadows it created, to jump all around. Jose looked around the small room and then at the roof. The rain had (11)____(grow) stronger and together with the wind, made it sound as though it was about to blow off.

2. Paragraph Writing.

A. Write a paragraph of 150 words by using Simple Present Tense about your daily life.

B. Write a paragraph of 150 words by using Future Tense about your aims and dreams.

Class: X   Sub: Hindi

1. वाच्य किसे कहते हैं? इसके कितने भेद है और क्या क्या है

   उसपर प्रकाश डालिए।

2 . भाववाच्यमें बदलिए -

क . अब पढ़ें।

ख . बच्चे मैदान में खेल रह हैं ।

ग . मैं बैठ नहीं सकता ।

घ . बच्चे मैदान में खेलते हैं ।

इ . हम हँसते हैं ।

च . माँ रो भी नहीं सकती।

छ . वह अब भी बैठ नहीं सकता।

ज . तुम्हेंक्या हुआ , तुमपढ़ नहीं सकते।

झ . इतनी गर्मी में कौन सो सकता है?

ञ . बीमारी के बाद दादी चल भी नहीं पाती ।

3. निम्नलिखित वाक्यों को कर्तृवाच्य में बदलिए।

क . दीप्ति द्वारा नहीं लिखा जाता।

ख . शोभना से पढ़ा नहीं जाता।

ग . श्रद्धालु काशीवासियों द्वारा इस सभा का आयोजन किया जाता है।

घ . समर्थकों द्वारा पुष्प वर्षा की गई।

इ . आपके द्वारा उनके विषय में क्या सोचा जाता है।

च . उनके द्वारा कैप्टन की देशभक्ति का सम्मान किया गया।

चलिए, अब सोया जाए।

छ .   परीक्षा के बारे में अध्यापक द्वारा क्या कहा गया?

ज .   चलो, आज मिलकर कहीं घूमा जाए।

झ .   महादेवी वर्मा द्वारा 'यामा' लिखी गई।

4 .   निम्नलिखित वाक्यों को कर्मवाच्य में बदलिए ।

क .   उन्होंने दोनों भाइयों को पढ़ाया।

ख .   रामपाल ने बड़े दुखी मन से अपना अपराध स्वीकार किया।

ग .   उसने भगत को दुनियादारी से निवृत्त कर दिया।

घ .   आओ, कुछ बातें करें।

इ .   हमने उसको अच्छे संस्कार देने का प्रयास किया।

च .   मंत्री जी ने राहत सामग्री बँटवाई।

छ .   अनेक श्रोताओं ने कविता की प्रशंसा की।

ज .   बहन ने भाई को प्रेमपूर्वक राखी बाँधी।

झ .   सभी दर्शकों ने नाटक की प्रशंसा की।

ञ . उसने भोजन कर लिया।

5 .   तुलसी दास के भावार्थ और प्रश्नोतर लिखिए ।

Class: X   Sub: Sanskrit

1. समयवाचक शब्दान् आधृत्य पञ्चदश (15) वाक्यान् रचयत ।

2. पाठे स्थितः श्लोकानं कंठस्थी अन्वय सहितं करणीयम ।

3.दृश्– धतुरुपं पञ्च लकारेषु लिखत ।

4. अनुवादं कुरु ।

    a. छात्र पाठों को पढतें है ।
    b. मजदूर कार्य करते है ।
    c. लड़के जल लाए ।
    d. रसोइए ने भोजन बनाया ।
    e. तुमने क्या किया ?
    f. तुम लोगों ने पाठ याद किया ?

5.अधोप्रदत्तंचित्रंदृष्ट्वामञ्जूषायाःपदानांसहायतयापञ्चवाक्यानिरचयत-

बालः , पादपाः, पुष्पे, वृक्षः, हरितः,पत्राणि,पश्यतः,व्यायामम्, पश्यन्ति ,सूर्यः,हंसाः

Class: X   **Sub: Mathematics**

1. A sweet seller has 420 kaju barfis and 130 badam burfi. She wants to stack them in such a way that each stack has the same number, and they

take up the least area of the tray. What is the number of burfis that can be placed in each stack for this purpose?

2. Determine the smallest 3-digit number which is exactly divisible by 6, 8 and 12.

3. Express each of the following positive integers as the product of its prime factors: (i) 3825 (ii) 5005 (iii) 7429

4. State the Fundamental theorem of Arithmetic

5. Prove that is an irrational number .

6. Find the HCF and LCM of 17, 23 and 37 by using the prime factorization method.

7. Prove that + is an irrational number.

8. If , then find the value of

9. Find the sum and product of zeroes of p(x) = .

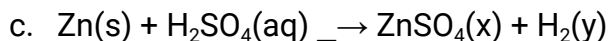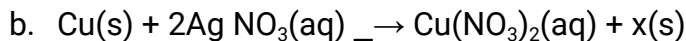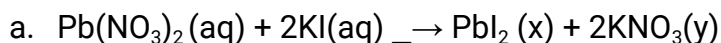10. Find the zeroes of the quadratic polynomial and verify the relationship between the zeroes and the coefficients.

<p style="text-align:center"><strong style="color:red">Class: X   Sub: Science</p>
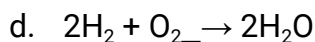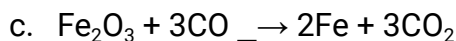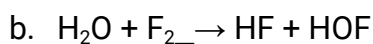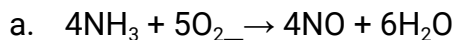
<u>PHYSICS</u>

1) What are the two laws of reflection of light?
2) Draw the ray diagram of image formation in concave mirror when the object is placed   (a) between C and F

           (b) between F and P

3) What are the uses of convex mirrors?
4) What is the nature of an image formed in a convex mirror?
5) Find the focal length of a concave mirror whose radius of curvature is 32cm.
6) Solve all the examples of mirror formulas from the book.

<u>CHEMISTRY</u>

1. Complete the missing components/variables given as x and y in the following reactions

    a. $Pb(NO_3)_2 (aq) + 2KI(aq) \_\rightarrow PbI_2 (x) + 2KNO_3(y)$

    b. $Cu(s) + 2Ag\ NO_3(aq) \_\rightarrow Cu(NO_3)_2(aq) + x(s)$

    c. $Zn(s) + H_2SO_4(aq) \_\rightarrow ZnSO_4(x) + H_2(y)$

2. Identify the reducing agent in the following reactions

    a. $4NH_3 + 5O_2\_\rightarrow 4NO + 6H_2O$

    b. $H_2O + F_2\_\rightarrow HF + HOF$

    c. $Fe_2O_3 + 3CO \_\rightarrow 2Fe + 3CO_2$

    d. $2H_2 + O_2\_\rightarrow 2H_2O$

3. Define exothermic and endothermic.
4. Define redox reaction.
5. What is the chemical equation?
6. Define double displacement reaction with example.
7. What is oxidation ?
8. Exercise of chapter 1

BIOLOGY

Answer The Following Questions:

1. Explain the significance of photosynthesis. Write the balanced equation involved in the process of photosynthesis. List out the events that occur during photosynthesis.

2. Differentiate between:

    a) Autotrophs and Heterotrophs
    b) Holozoic, saprophytic and parasitic nutrition

3. Explain the different steps involved in the process of digestion.

4. Explain with the help of neat and well-labelled diagrams the different steps involved in nutrition in Amoeba.

5. What is respiration? Explain the pathways involved in respiration.

6. Differentiate between:

   a) Breathing and respiration
   b) Aerobic and anaerobic respiration
   c) Inspiration and expiration

7.   Draw well labelled diagrams of the human digestive and Respiratory system.

NOTE- *Complete the class notes and textual exercise (up to respiration) of 'life processes '.

Read the textbook thoroughly.

Class: X   Sub: InformationTechnology

Communication Skills

1. List the different types of verbal communication. Include examples for each verbal communication type.
2. What do you mean by feedback and what are the types of feedback?
3. Write down the common communication barriers you may come across when you move to a new city or country.
4. Write two sentences of each type of sentence — statement, question, exclamatory and order.
5. Write two paragraphs about your favourite place. Make sure you follow all the rules about the sentences and paragraphs you have learnt.

Digital Documentation

1. What are the types of Styles used in a document ?
2. Write your resume/ Bio Data and apply different styles on it.
3. Create a Poster on Health and Hygiene.
4. What do you understand by the terms:

   a. Text Wrapping

b. Anchoring

5. What are templates? What are the advantages of using templates?

*****HAPPY SUMMER VACATION*****

Class: XII   Sub: English

1. Dialogue Writing.

Write a dialogue between a Music teacher and two students about the Cluster level Dance programme.

2. Story Writing

 Write a short story by using the following words.

Forest, tress, roar, smoke, chirping

Class: XII   Sub: Physics

1)   State and explain Coulomb's law.

2)   Write down any four properties of electric field lines.

3)   What do you mean by electric dipole? Find the electric field of a dipole for the point on the equatorial plane.

4)   Two charges q and -3q are placed fixed on the x-axis separated by a distance d . Where should the third charge 2q be placed such that it will not experience any force?

5)   What are the basic properties of charge?

6)   Five charges, each are placed at the corner of a regular pentagon of side "a". What will be the electric field at the centre of the pentagon?

7)   An electric dipole with dipole moment 4×10^{-9}C-m is aligned at 30 degree with direction of a uniform electric field of magnitude 5×10^{4}N/C. Calculate the magnitude of torque acting on the dipole.

Solve all the problems from exercise of chapter1.

Class: XII   Sub: Chemistry

1)   Define the terms solution, solute and solvent with examples.

2)   Define Dalton law of partial pressure.

3)   What happens to the vapour pressure when

                i. A volatile solute dissolves in the liquid.

                ii.the dissolved solute in non- volatile.

4)   What do you mean by Raoult's law ? What are the limitations of Raoult's law?

5)   Define colligative properties of solution.

6)   What is reverse osmosis? What is it's importance ?

7)   Define abnormal molar mass.

8)   Calculate the molarity of the 9.8%(w/w) solution of H_2SO_4 if the density of the solution is 1.02g/ml .

9)   State Henry's law. Calculate the solubility in CO_2 in water at 298 K under 760mmHg. K_H of CO_2 in water at 298 K is 1.25×10^{6}mm Hg .

10) Exercise of chapter 1

Class: XII   Sub: Hindi

1 . प्रदत्त विषयों पर फीचर (विशेषताएँ) लिखिए ।

क . विज्ञापनों की लुभावनी दुनिया ।

ख . वालश्रमिकों की समस्या ।

ग . नशाखोरी की बढ़ती प्रवृत्ति ।

2 . निम्नलिखित विषय पर एक एक अनुच्छेद लिखिए ।

क . समाचार पत्र   ख . रेडियो   ग . इंटरनेट   घ . सिनेमा   इ . टैलिविजन ।

3 . निबंध लिखिए ।

क . युवा पीढ़ी और देश का भविष्य ।

ख . आज के विद्यार्थी के सामने चुनौतियाँ ।

4 . भक्तिन, सिल्वर वैडिंग, पतंग, बाजार दर्शन पाठों की पुनरावृत्ति कीजिए ।

Class: XII   Sub: Biology

Answer The Following Questions:

1. State the significance of sexual reproduction.

2. Draw a diagram showing the direction of the pollen tube from pollen on the stigma in the embryo sac.

3. Define self-incompatibility? How do self-incompatible plants pollinate?

4. Explain the term polyembryony. How is it exploited commercially?

5. Explain the characteristics of wind pollinated, water pollinated and insect pollinated flowers.

6. State the significance of the cervix in the female reproductive system.

7. State the role of epididymis in male fertility

8. List the names of hormones, endocrine glands along with the function of hormones that are crucial in causing spermatogenesis.

9. State the significance of LH surge through menstrual cycle.

10. Explain the role of pituitary gonadotropin during the follicular and ovulatory phases of menstrual cycle.

NOTE:- * Read the textbook thoroughly. Complete the class notes and textual exercise of chapter 2,3 and 4.

Class: XII   Sub: Computer Science

1. Write down the difference between mutable and immutable data types with examples?

2. Describe the terms :

   a. List

   b. Tuple

   c. Set

   d. Dictionary

3. What are the types of functions used in python ?

4. Write a python program to demonstrate local and global scope using the variables ?

5. Write down the different modes to open a file in python ?

6. Write a Python program to read a file line by line and store it into an array.

7. What are the types of files used in python ?

8. Predict the output of the Python code given below:

a)

```
def Diff(N1,N2):
    if N1>N2:
        return N1-N2
    else:
        return N2-N1

NUM= [10,23,14,54,32]
for CNT in range (4,0,-1):
    A=NUM[CNT]
    B=NUM[CNT-1]
    print(Diff(A,B),'#', end=' ')
```

b)

```
tuple1 = (11, 22, 33, 44, 55 ,66)
list1 =list(tuple1)
new_list = []
for i in list1:
    if i%2==0:
        new_list.append(i)
new_tuple = tuple(new_list)
print(new_tuple)
```

*****HAPPY SUMMER VACATION*****