READING COMPREHENSION

(Passage-1)
Read the passage carefully and answer the questions:
If we are to believe the latest reports from medical laboratories, immortality is within human reach. By the next century, the prospect of living up to 5000 years might well become reality. Does this mean that it's time to bring out the bubbly and celebrate the conquest of the final frontier of science? Certainly not. There can be nothing more dismal than the possibility of living indefinitely. What makes life so fascinating is its transient nature. It is the knowledge that death can come calling anytime and anywhere which gives such poignancy to our lives. This finds expression in Wallace Steven's wonderful lines: "Death is the mother of beauty; hence from her. Alone, shall come fulfilment to our dreams and our desires". The idea that death is the key to life is also the foundation of Martin Heidegger's philosophy of being.
Leaving aside these philosophical considerations, the predictions of immortality are at best based on dubious science. The scientific fraternity rarely takes seriously the prophets of immortality, who say that one can turn back the biological clock or at least keep it constant. But even if we were to assume for a moment that the majority of humans will live beyond 5000 years, that would spell disaster for mankind. At a time when the earth's resources are stretched to the limit, one shudders at the thought of an ever burgeoning human population. If human longevity is artificially enhanced, all governments would eventually go bankrupt trying to provide even the most basic amenities to their citizens. Those who harbour ambitions of emulating Methuselah are best advised not to tinker with the natural cycle of birth and death. Instead, they should savour every moment of life as death might be waiting in the wings.

Answer the following questions:-
(i) What is the latest news from medical laboratories?
(ii) What would the outcome of living for so long a period mean?
(iii) What are the two things that make life fascinating and poignant?
(iv) What is the foundation of Martin Heidegger's philosophy of being?
(v) What is the basis of the predictions of immortality?
(vi) What do you mean by 'disaster of immortality'?
(vii) What do prophets of immortality say?
(viii) Who are advised not to tinker with the natural cycle of birth and death?

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(Passage -2)
In the 1970s, Chipko activists in TehriGarhwal used to sing a song praising their hills as paradise, the place of Gods, where the mountains bloom with rare plants and dense cedars. Chipko began as a movement to save the indigenous forests of oak and rhododendron from being felled by the Forest Department. It soon became a wider assertion of local rights to the environment, protesting against inappropriate policies imposed on the hills by a distant plains based campaign for regional autonomy. The state of Uttarakhand was formed in 2000, and many hoped that the region would finally chart a path of development that was in harmony with its unique ecology and culture.
The recent catastrophic rain, landslides and floods, and the consequent human tragedy, make us look more closely and critically at Uttarakhand's development narrative. The story that is told- the state can produce wealth and welfare by using natural resources to the fullest- grossly misunderstands the nature of Himalayan ecology. First, the Himalayas are known to be geologically active. Earthquakes and glacial lake outbursts are natural hazards that accompany these processes. But the destructive power of these events has been eclipsed by man- made hazards that exponentially increase the instability of the Himalayan landscape. Cutting mountains for

building roads often trigger landslides. Blasting tunnels through the mountains for river projects destabilizes an already fragile geology. The pressure of water in dam reservoirs induces tectonic shifts. Multiplying the risk of earthquakes. Second. Like the mountains. Himalayan rivers are dynamic entities. Blocking and diverting their path with dams and tunnels. Dumping close to the river channel has disastrous consequence. The cloudburst that precipitated the recent disaster was a natural event, but the toll taken by the floods and landslides was made much worse by Uttarakhand's development strategy. It has become clear that our understanding of nature is poor, our ability to control and manipulate it poorer still. Nonetheless, we chose to forge ahead with building more concrete infrastructure because in the short term, that's where the money lies. This is a warning to us that development has to incorporate the precautionary principle, anticipating potential harm and acting prudently to prevent it. This means a conservative approach to construction in the hills.

(A) Answer the questions:-
  (i) How did the Chipko movement begin?
  (ii) What hope did many people have when the state of Uttrakhand was formed?
  (iii) Which man- made hazards increase the instability at the Himalayas?
  (iv) How did Uttarakhand's development strategy create problem for people?

(B) Find meanings of the words given below with the help of the options:
(i) Chart (Para1)
    (a) A sheet of paper   (b) Path   (c) Diagram   (d) Map
(ii) Induces (Para 2)
    (a) Persuades   (b) Tempts   (c) Makes   (d) Brings about.
(iii) Forge ahead (Para 2)
      (a) Fake   (b) Move   (c) Furnace   (d) Jump
(iv) Prudently (Para 2)
    (a) Sensibly   (b) Carefully   (c) Emotionally   (d) Quietly.

(Passage-3)

1. Forget goodwill and equality when it comes to our friendships. Research has shown that when comes to picking friends, we feel most comfortable in the company of people who we think are on the same level as us socially or even slightly below us. It doesn't matter how well you're doing as long as you believe you are better off than your friends and neighbours, you find your life more fulfilling.

2. This new research might come as a shock to many, but if we are completely honest with ourselves, we would realize that we have felt slightly threatened by a friend's success some time or the other. Even with past friendships, the real reason could be that at some point, one of you may have felt a bit superior or inferior to the other. Even if we don't spell it out, most friendships have a lot going on below the surface.

3. As much as we may try to deny it, or pretend otherwise, most of us are easily impressed by a great job, a large bank account or rising social status when it comes to picking a part there or friends. In both cases, we want people who are there for us and reinforce our own self worth. So more often than not, the question that is running through our heads is, how can we choose a good friend, if we were not as good ourselves?

4. But it's not all about the outward tapings. Very often it is the emotional bit that is relevant. For instance, a woman losing vast amounts of weight may get not

every complimentary feedback form close friends, no matter how fabulous she looks. She could be accused of being too thin or even arrogant suddenly. What has happened basically is that as her friendship status has gone up, she is forcing her friends to re-evaluate theirs.

Now answer the following -
(i)When it comes to picking friends, we feel most comfortable in the company of people _____ .
(ii) Sometimes we feel threatened even by our friend's _____ .
(iii) When a woman's status goes up , she leaves her friends to _____ .
(iv) Even a fabulous person is accused of being _____ by jealous friends.
(v) Which things are not usually paid attention to when we choose friends?
(vi) Why do we feel jealous of our friend's success?
(vii) Why do we attach more importance to the rising status of our friends?
(viii)Find a word in passage which is opposite to "accept".

(Passage-4)

Education is the beginning of empowerment. It is a key to happy and satisfactory life for the special children, who are cruelly segregated from the society. In India, there are around 35 million disabled children but less than one per cent have access to education. The most pressing needed is to bestow the precious gift of education on them and let them be the bearer of torch towards the path of progress

Special children, without education, are a burden on their families as well as society. The crude discrimination between normal and abnormal children leads to severe psychological disorders, giving birth to frustration which we all know, is not healthy for any progressing nation. Several NGOs are working towards the upliftment and betterment of such children, but again a grave problem that is faced by the volunteers is lack of motivation in such children and even their families. Those who are form the well-to do families may not find themselves in this menace, but those belonging to the lower economic section feel that the effort to obtain education is simply wastage of time and energy not to say anything about money.

Another factor which is hindering the path of education for such children is the lack of opportunities or facilities available in schools. Even if the parents do send such children to school, the schools themselves are sadly lacking the facilities to cater or their needs. The government has started the integrated system of education' that enables the disabled to study with normal children in normal circumstances with few facilities for them. Yet again hard mould. Special schools have also been established by the government and NGOs to meet specific needs of such children but their number is pitiably low as compared to the normal schools.

There is an urgent need to strike at the roots of their neglect to enable the disabled.

1. Answer the following question briefly:
(a)Who are special children?
(b)Why is education important for 'special children'?
(c)What is the hindrance on the path of education for 'special children"?
(d) What steps have been taken up by the government for betterment and upliftment of special children?

2. Answer the following
(a)Which word in the passage means the same as "separated"?
(b) The full form of NGO is _____ .
© The word 'integrated' in the passage means _____ .
(d) Give the antonym of 'available:'

(Passage-5)
Read the poem carefully and answer the questions that follow:

'Is My Team Ploughing?'

'Is my team ploughing
That I was used to drive
And hear the harness jingle
When I was man alive?'
Ay, the horses trample,
The harness jingles now;
No change though you lie under
The land you used to plough.
'Is football playing
Along the river shore,
With lads to chase the leather,
Now I stand up no more?'
Ay, the ball is flying,
The lads play heart and soul;
The goal stands up, the keeper
Stands up to keep the goal

On the basis of your reading of the poem, answer the questions that follow by choosing the correct option.

a) 'When I was man alive' means:
i) When I was a young man
ii) When I was very lively and healthy
iii) When I was alive on the earth

(b) 'Though you lie under' implies that ………………………..
i) The speaker(poet) lies and takes rest
ii) The speaker sleeps
iii) The speaker is dead and buried
(c) 'Chase the leather' is ……………………………
i) Chasing the ball
ii) Running with leather shoe
iii) None of these
(d) 'Play heart and soul'. It means ……………………….
i) Playing with no interest
ii) Playing with less interest
iii) Playing with all interest and involvement

(e)With the absence of a man ………………………
i) The world comes to a halt
ii) The world rushes on
iii) Life and activities of the world go on

Answer the questions briefly:
i) Who, do you think, is the speaker here?
ii) What does the speaker speak about?
iii) What, do you think, has happened to the speaker?

WRITING

1. You are Sanjeet of 122, Arjun Nagar, New Delhi. A number of scooters and cars are parked in your locality without any order, causing blockage of the streets. Write a letter to the local Secretary of the Resident's Association complaining against this problem.

2. Write a letter to M/s.H.M.T Corporation Chandigarh, complaining that the writ watch you recently bought from them does not function properly and ask for replacement. You are Dipti/Deepak Gupta ,450.Sector 20, Chandigarh

3. You are RadhaG, member of NGO AWAAZ. Write a letter to the Editor of a national daily for a public movement to clean the Yamuna river.

4. The following pie chart shows how water is consumed in households in a metropolitan city in India. Study the information carefully and summarise it in about 100 words highlighting the main features.
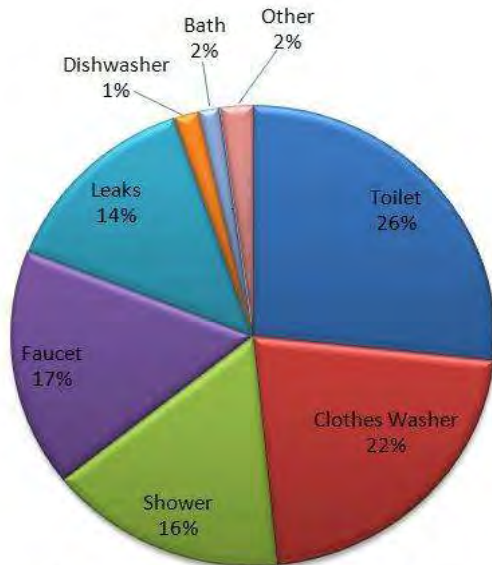
Indoor Home Water Use

5. On the basis of given picture write a paragraph of about 150 words with a suitable title.

GRAMMAR

Fill in the blanks using the best options given in the brackets.

1. About half of India's children aged ………..a……………. (among, between, with, about) 6 and 14 do not go to school. About 5.5 crore children ……………b………….. (worked, working, has been working, work) in factories, cottage industries …………..c…………… (and, around, about, some) in the agricultural sector. One of the most important …………..d……………. (reason, reasons, reason's, reasons') for our nation's …………e…………. (backwardness, backwardness, backness, backward) is illiteracy.

Fill in the blanks using the best options given in the brackets.

2. Antioxidants were first cast into doubt ……….a………. (during / from / since) a major clinical trial in the US, in ………….b………… (which/ what / that) a very common antioxidant, beta carotene, ………c……….. (was / were / is / are) tested for ………….d………….. (its / it's / their / theirs) efficacy against lung cancer in high-risk subjects. ………e………… (To / For / With) the surprise and concern of the scientists ………f……… (those / that / which / whose) individuals taking the supplement ……….g………… (intend / indented / intended) to reduce the risk of cancer were ………….h…………… (on / at / with) a significantly higher risk ……………i………….. (for / of / to) developing lung cancer.

The following passages have not been edited. There is one error in each line. Write the incorrect word and the correction against the correct question number in your answer sheet.

Vitamin tablets has been around forever, but antioxidants are the   (a)_____

the last miracle cure. Do they really work? (b) _____

If the hype is true, then that the antioxidants do is (c) _____

work for neutralise the free radicals in our bodies (d) _____

and latter excrete them. Free radicals are atoms or molecules (e) _____

The following passages have not been edited. There is one error in each line. Write the incorrect word and the correction against the correct question number in your answer sheet

The use for bottled supplements with your diet is a practice (a) ____

that need to be discouraged. It is also essential to keep abreast (b) _____

off new developments in research. Ironically those health-conscious individuals (c) _____

who already eats large quantities of fresh fruit and vegetables, (d) _____

who diet does not include junk food and who get plenty of regular (e) _____

exercise and have least need for dietary supplements tend to be the ones (f) _____

whom are most likely to use them. (g) _____

LITERATURE
ANSWER THE FOLLOWING QUESTIONS IN ABOUT 30-40 WORDS

1. Lencho calls the raindrops 'new coins'. Why does he call them so?
2. What problem did the pilot of Dakota face in the clouds?
3. Why could the young seagull not fly with his brothers and sisters?
4. What pained Nelson Mandela on becoming the president of South Africa?
5. Lencho was angry when he received the letter. How did he express his anger?
6. Whom did Lencho write a letter? What did he ask for?
7. How was the young seagull treated by his patients when he could not muster up the courage to fly from his ledge?
8. Mandela had 'hunger for freedom' . How did it change his life?
9. Why did the postmaster send money to Lencho? Why does he 'sign' the letter 'god'?
10. When did a monstrous terror seize the young seagull?
11. How could the pilot of old Dakota land safely in spite of extremely bad weather?
12. Why does Lencho write a letter to God? What does he experience?
13. What does the poet want to convey through the poem 'Dust of Snow"?
14. What does 'fire' and 'ice' stand for and what is the general opinion regarding the world?
15. What impression do you form of the postmaster after reading the story 'A Letter to God'?

ANSWER THE FOLLOWING QUESTIONS IN ABOUT 100-150 WORDS.

1. Sometimes we get unexpected help which really helps us. Describe. How did the pilot of the black aeroplane help the pilot of the old Dakota to land safely at the airport?
2. Give the character sketch of Tricki.
3. Give the character sketch of Nelson Mandela.
4. Give the character sketch of Lencho?
5. What does Mandela mean by the boyhood freedom and the freedom he enjoyed as a young man?
6. How can you say that Mrs Pumphrey was a rich lady?
7. How did the snow help the poet in saving his rest of the day? The crow proves to be a helpful bird to the poet though its presence is never considered auspicious. Discuss.
8. How does the poem depict the two contrasting ideas- 'Fire' and 'Ice'? Explain.

HINDI
कक्षा-दसवीं

1. गोपियाँ उद्धव की तुलना किस-किससे करती है?

2. उद्धव गोपियों को किसका सन्देश देने आये थे?

3. सूरदास के पद पाठ के आधार पर गोपियों के वोलने की कला की विशेषताएँ लिखिए|

4. 'नेताजी का चश्मा' पाठ में आए पानवाले का रेखाचित्र लिखिए|

5. कैप्टन का पेशा क्या था और वह नेताजी की मूर्ति पर चश्मा क्यों लगाता था?

6. हालदार साहब पाठ के अंत में क्या देखा और वो किस भाव से भर गए?

7. बालगोबिन भगत एक गृहस्थ होकर भी संत थे| इस पंक्ति के आधार पर उनके स्वभाव की विशेषताएँ लिखिए|

8. बालगोबिन भगत एक प्रगतिशील स्वाभाव के व्यक्ति थे| यह बात उनके किस कार्य से सिद्ध होता है? और आप समाज में फैले कुरीतियों को रोकने के लिए क्या प्रयास कर सकते है?

9. निम्नलिखित वाक्यों को रचना के आधार पर वाक्य-भेद कीजिए |

क) जब प्रशांत मेरे पास पहुँचा, तब लगभग पाँच बजे थे|

ख) वह उतना ही थकेगा, जितना अधिक दौड़ेगा|

ग) बादल आकाश में छा गए|

घ) मेरे आँगन की हरी घास पर बच्चें खेलते है|

ड) मालिक ने कहा कि कल छुट्टी रहेगी|

मेरी गाय काली है और खेत में चर रही है|

SANSKRIT

ग्रीष्मावकाश-गृहकार्य   **कक्षा-दशमी**

1. निम्नलिखित शब्दों के शब्दरूप लिखें और याद करें ।

   बालक,फल,लता,मति,भवत्(तकारान्त),मनस्(सकारान्त), किम् [तीनों लिङ्गों मे] ,अस्मद्,

   युष्मद् (व्याकरण-वीथि के परिशिष्ट की सहायता लें ।)

2. निम्नलिखित पाँच लकारों मे धातुरूप याद करें और 'पठ्' तथा 'सेव्' धातुओं का रूप

   लिखें।

   लट्,लृट्,लङ्,लोट्,विधिलिङ् (व्याकरण-वीथि के परिशिष्ट की सहायता लें ।)

3. संस्कृत के पाँच स्वर्णिम सूत्र' इन पाँच प्रारम्भिक पाठों में से एक- एक पाठ प्रतिदिन पढें

   और उस पर आधारित कार्य करें ।

4. स्वर-सन्धि, व्यञ्जन सन्धि तथा विसर्ग सन्धि की पुनरावृति करें और 'अभ्यासवान् भव'

   पुस्तक से सन्धि नामक अध्याय बनाएँ ।

5. संस्कृत छात्र-प्रतिज्ञा लिखें और याद करें ।

6. उपयोगी link-https://www.samskrittutorial.in/ की सहायता से शेमुषी का

   पाठ-1 सुनें तथा देखें ।

7. 'शुचि-पर्यावरणम्' अर्थात् शुद्ध पर्यावरण पर संस्कृत में पाँच वाक्य लिखें ।

8. अभ्यासवान् भव के अन्त में दिये गए चित्र-वर्णन तथा पत्र-लेखन से 1-1 बनाएँ ।

9. www.newsonair.in, AIR(आकाशवाणी),DD 1 की सहायता से संस्कृत में समाचार

   सुनें।

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Class – x   Subject: Mathematics

Choose the correct answers from the following : (Justify your answers)

Q1.   The decimal expansion of the rational number $\frac{33}{2^3 \times 5}$ will terminate after

(a) One place of decimal   (b) two place of decimal

(c) three place of decimal   (d) more than three place of decimal

Q2.   The least number that is divisible by all the numbers from 1 to 9

(a) 10   (b) 100   (c) 504   (d) 2520

Q3.   If n is any natural number , then $6^n - 5^n$ always end with

(a) 1   (b)   3   (c)   5   (d)   7

Q4.   If α and β are the zeroes of the polynomial f $(x) = x^2 + x + 1$, then $\frac{1}{\alpha} + \frac{1}{\beta} =$

(a) 1   (b) –1   (c) 0   (d)   none of these

Q5.   If one zero of the polynomial p$(x) = (k^2 + 4)x^2 + 13x + 4k$ is reciprocal

of the other ,   then $k =$

(a)   1   (b) -2 (c)   1   (d) –1

Q6.   If the zeroes of the polynomial $x^2 + (a+1)\, x + b$ are -2 and 3 , then

(a) $a = -7$, b$= -1$ (b) $a = 5$, b$= -1$ (c) $a = 2$, b$= -6$ (d) $a = 0$, b$= -6$

Q7.   The value of k for which the system of equations $kx - y = 2$ and

$6x - 2y = 3$ unique solution

(a) $= 3$ (b) $\neq 3$ (c) $\neq 0$ (d) $= 0$

Q8.   If the pair of linear equation in two variable is consistent , then the line

Represented by two equation are

*(a)*intersecting *(b)* parallel *(c)* coincident   *(d)* intersecting or coincident

Q9. If $x = a$ and $y = b$ is the the solution of the system of equation $x\text{-}y = 2$

and $x + y = 4$, then the value of a and b are

(a) 3 and 1   (b) 3 and 5   (c) 5 and 3   (d) -1 and -3

Q10. If two zeroes of the polynomial $p(x) = 2x^4 - 3x^3 - 3x^2 - 6x - 2$ are

$\sqrt{2}$ and $-\sqrt{2}$ Then find the values of other two zeroes .

Q11. Find the quotient and remainder , when $p(x) = 3x^4 + 5x^3 - 7x^2 + 2x + 2$

is divided by $x^2 + 3x + 1$.

Q12. If α and β are the zeroes of the polynomial $p(x) = x^2 - 5x + k$,

such that $\alpha - \beta = 1$, then find the value of k .

Q13. Solve the following equations :

(a) By Graphical Method :

$2x + 3y = 2$, $x - 2y = 8$

(b) By Substitution Method :

(i) $3x + 2y = 4$; $2x - 3y = 7$ (ii) $x - y + 1 = 0$; $3x + 2y - 12 = 0$

(c) By Elimination Method :

(i) $2x - 3y = 13$; $4x - 2y = 20$ (ii) $\frac{x}{3} + \frac{y}{4} = 11$; $\frac{5x}{6} - \frac{y}{3} + 7 = 0$

(d) By Cross Multiplication Method :

(i) $2x + 5y = \frac{8}{3}$; $3x - 2y = \frac{5}{6}$ (ii) $4x - 3y = 8$; $6x - y = 8$

Q14. Solve : $19x - 17y = 55$; $17x - 19y = 53$. Hence find the value of

k , if $x + ky = 1$.

Q15. For which value of a and b will the following pair of equation

have infinitely many solution

$x + 2y = 1$; $(a - b)x + (a+b)y = a + b - 2$

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CLASS: X BIOLOGY - LIFE PROCESSES

Q1 How exchange of gases take place in plants?

Q2 Differentiate between photosynthesis and respiration.

Q3 Explain the mechanism of breathing in human beings.

Q4 How does water rise in tall trees?

Q5 Leaves of a potted plant are coated with Vaseline to block the stomata. Will this plant remain healthy for long? State the 3 reasons for your answer.

Q6 How is prepared food transported to different parts of the plant?

Q7 What is blood? What are the components of blood? Also write the function of each component.

Q8 What are the advantages of having very thin and highly branched capillaries for blood flow?
Q9 What is the difference between the blood flowing in the arteries and that flowing in the veins?

Q10 What is the meaning of the term "Double circulation"?

Q11 What will happen if excess bleeding takes place and what natural device preventing it?

Q12 Correct the false statement

  a) The walls of the atrium are thicker than the ventricles

  b) The oxygen carrying blood goes into the left auricle

  c) Valves open on both the sides.

  d) Xylem transports food material.

  e) The blood circulation in man is of open type in man

Q13 Differentiate between excretion ands osmoregulation? Describe how excretion takes place in amoeba.

Q14 What is dialysis? How is it useful?

Q15 What is excretion? How is solid and gaseous waste excreted in humans

.Q16 List the functions of blood.

CLASS: X CHEMISTRY - CHEMICAL REACTIONS AND EQUATIONS

1. Give 5 examples each of physical and chemical changes that take place around us in our day to day life.

2. When a magnesium ribbon is burnt in air, what are the two observations that you make?

3. Write a balanced chemical equation to represent decomposition of lead nitrate on heating. What are brown fumes due to?

4. Make a list of at least 10 cations and 10 anions.

5. Taking help from the list prepared in Q4,, write the chemical formulae of:-

   (i) Barium chloride (ii) Sodium Sulphate (iii) Ammonium phosphate (iv) Calcium hydroxide

   (v) Aluminium carbonate (vi) Magnesium hydrogen carbonate (vii) Zinc sulphide

   (viii) copper (I) chloride (ix) Potassium Bromide (x) Lead nitrate (xi) Iron (III) oxide (xii) Sodium Oxide (xiii) Silver sulphide (xiv) Calcium Fluoride

6. Write the following in the form of balanced chemical equations:-

   (a) Calcium carbonate decomposes on heating to form calcium oxide and carbon – di – oxide.

   (b) When ammonium hydroxide is added to a solvent of iron (II) Sulphate, a green ppt of iron

(II) hydroxide and ammonium Sulphate are formed.

   (c) When a nail of iron is added to a solution of copper Sulphate, iron (II) Sulphate and copper metal are formed.

   (d) Zinc reacts with dil hydrochloric acid to form zinc chloride and hydrogen gas is liberated.

7. A chemical reaction which is both combination as well as exothermic, is used by us for white washing purposes. Write the equation for the same.

8. What is a decomposition reaction? Give 2 examples each of decomposition taking place due to heat, light and electricity

9.How does a displacement reaction differ from a double displacement reaction? Give examples to explain it.

Kendriya Vidyalaya, Borjhar
SUMMER VACATION HOME WORK 2020-21
Subject – social science
Class- x

Write down your Holiday homework.. and do in your Homework copy with maintaing proper index..

1. Write important Questions and answers of All chapters which we covered or short notes in question answer format..

2. Write Keywords and basic terminologies with their defination..

3. Take atleast 10 maps for India.. and locate all the main physical and political properties correctly..Based on your History , Geography and Political Science Text books for increasing your basic understanding of maps.. and for CBSE exams all the map points already given in your course structure/syllabus prescribed by CBSE.. maps can be increased according to your capacity..

4. Write a short report on the topic- Covid-19- A pandemic, Causes, social, political, economical effects and Prevention..

Some doubt clearing classes will be going on during summer holidays.. and You are free to ask me any doubt via online medium..

Happy Holidays..

Regards..

Still life or Objects Drawing

With pencil shading

Holiday home work for the class –IX and X

at least one work on geometrical shape and one work on fruits and vegetables.

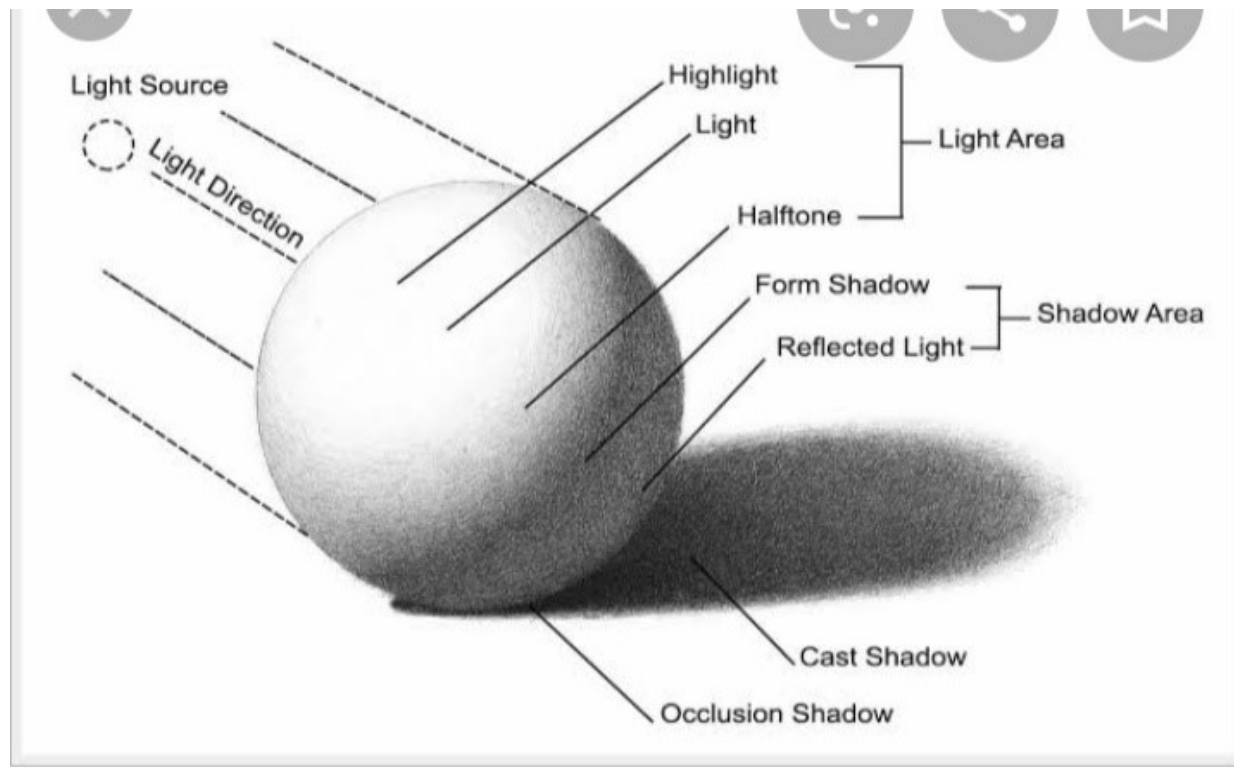What is called still life or objects drawing?

Definition :- still life or object drawing is an art work where we draw a group of nonliving three dimensional objects (vegetable ,fruits ,utensils etc.) on a two dimensional space with proper measurements and proportion from a particular distance is called still life or objects drawing.

Materials required
1. Drawing Page
2. Pencil
   2B,4B,6B,8B,and 10B
3. Eraser
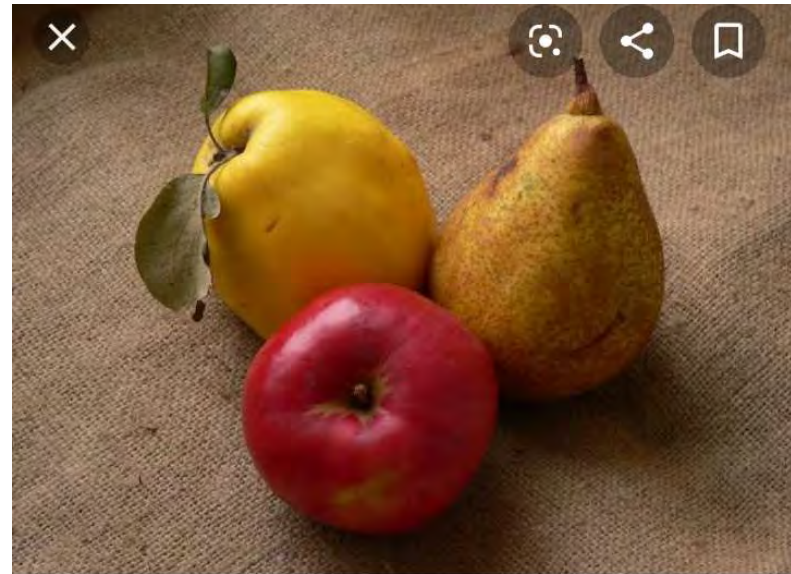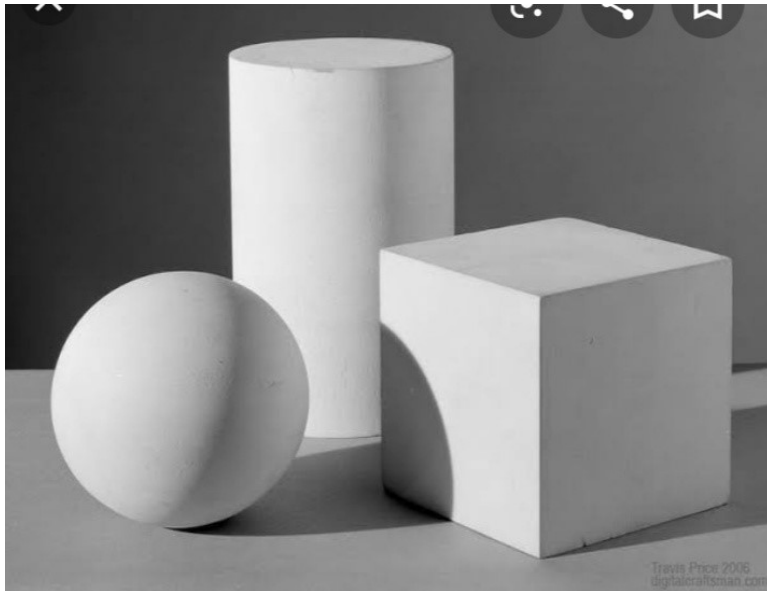
- Before we going to start pencil shading we should learn how does light works on objects to create shadow, without light we can not get shadow from an object.

Light Source

Light Direction

Highlight

Light

Light Area

Halftone

Form Shadow

Shadow Area

Reflected Light

Cast Shadow

Occlusion Shadow

- There are three types of tonal variation.
- 1. light tone
- 2.middle tone
- 3.Dark tone

Dark tone

Middle tone

Ligh tone

highlight
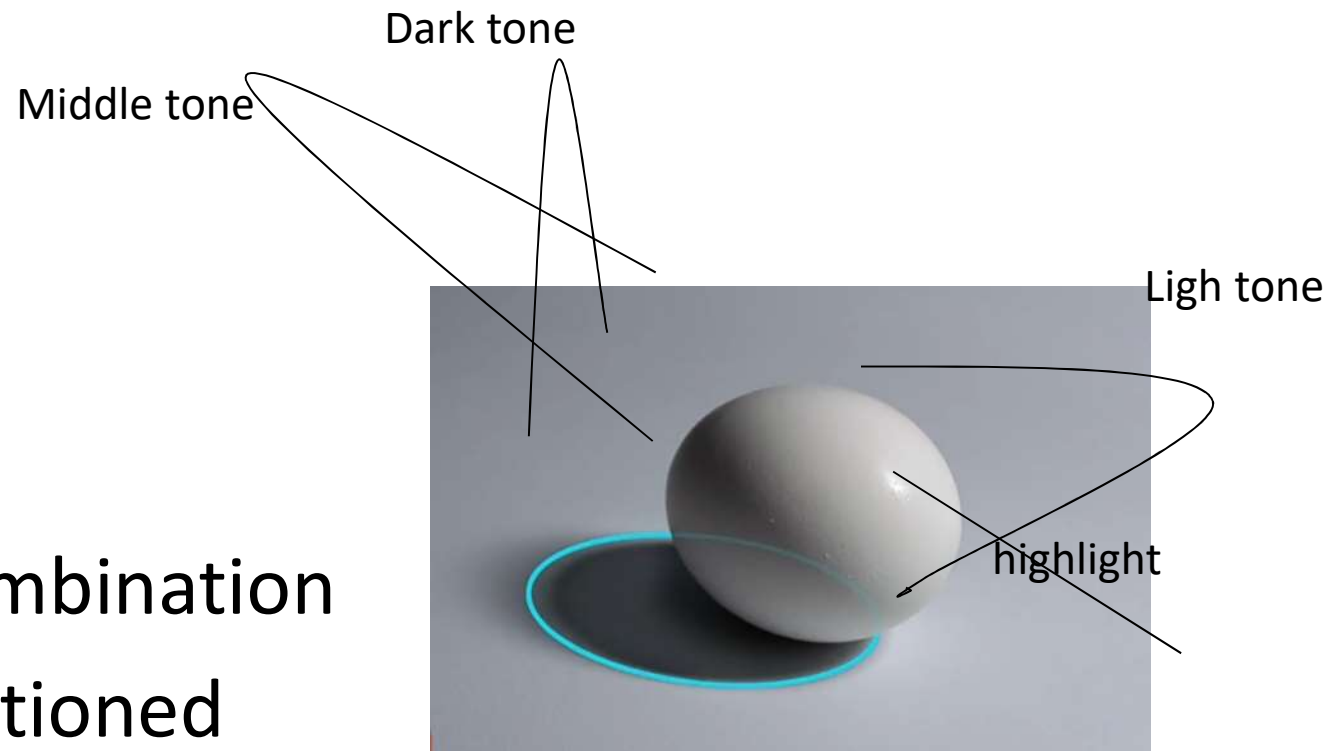
- With the combination
 of above mentioned
three tonal variations we can create three
 dimensional effect on a two dimensional space

- Now lets go to arrange some objects to draw with proper measurement and proportion, Below mansion objects we have to draw and shade with pencil.
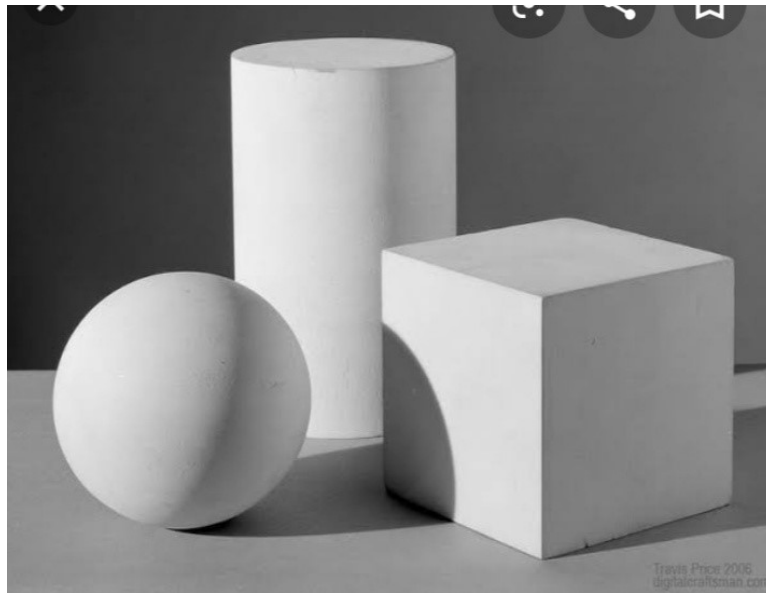
1. First we have to see the arrangement of the objects.
2. How many space is covered by the objects ,
3. .How many positive space and the negative space.
4. Here the objects is positive space and the left out space is negative space .
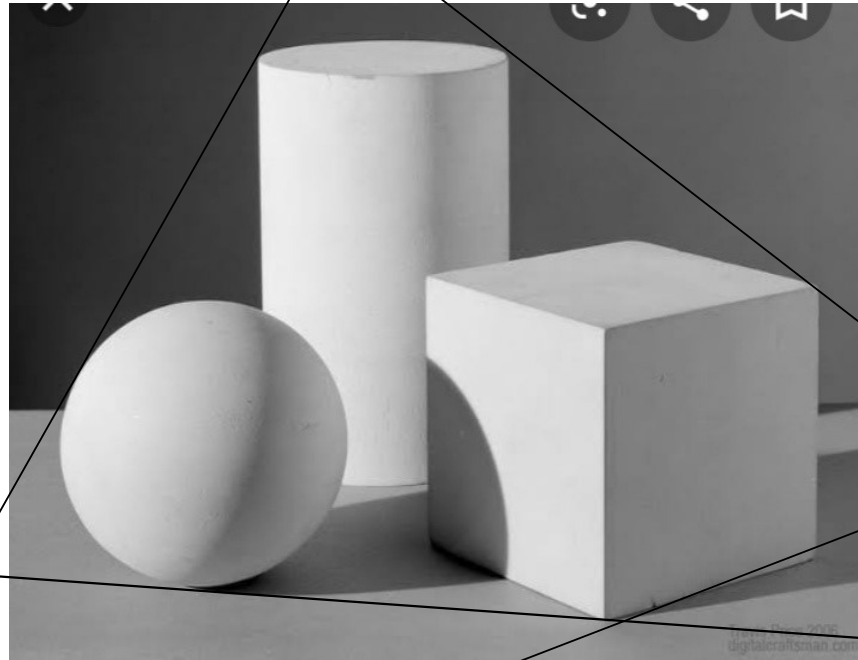

now let us draw the objects. Take one two dimensional space, it may be a paper , a canvas ,or any other materials. Fixed it on a drawing board .see the arrangement of the objects, and as per arrangement you set your page. Take the measurement of the object which is smallest one
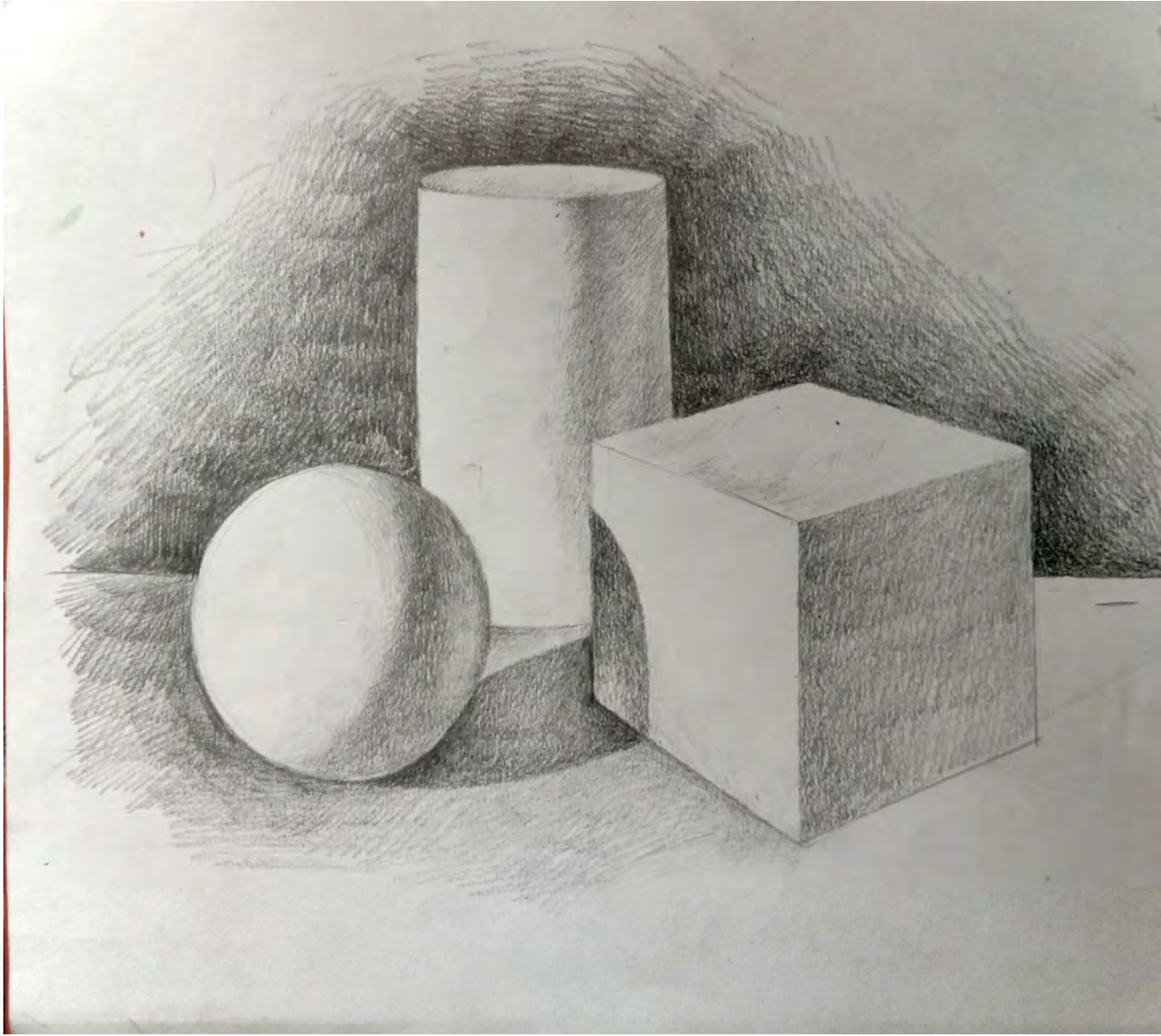
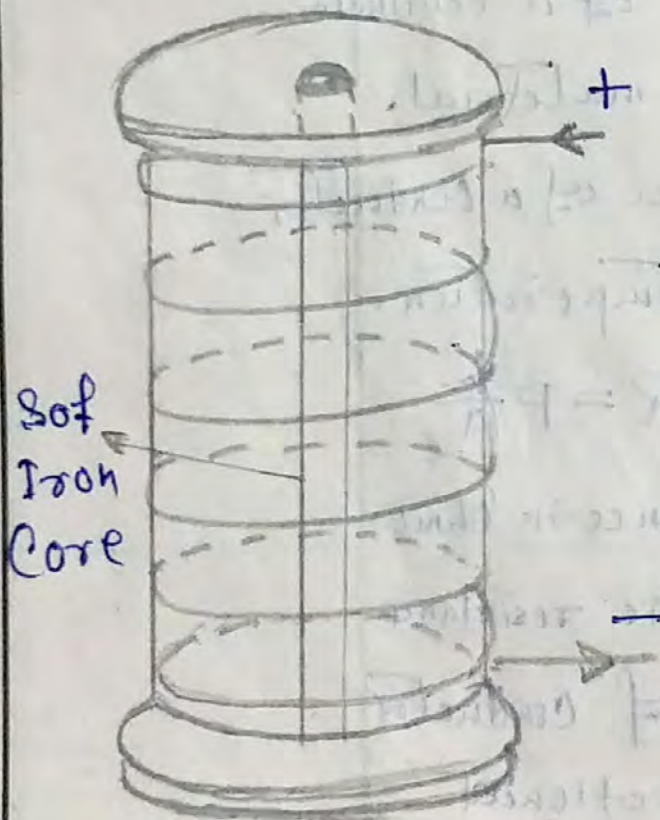- Draw a base line and rough idea of space occupied by the objects.

Base line

Electro Magnetism

S

+

Soft
Iron
Core

Solenoid
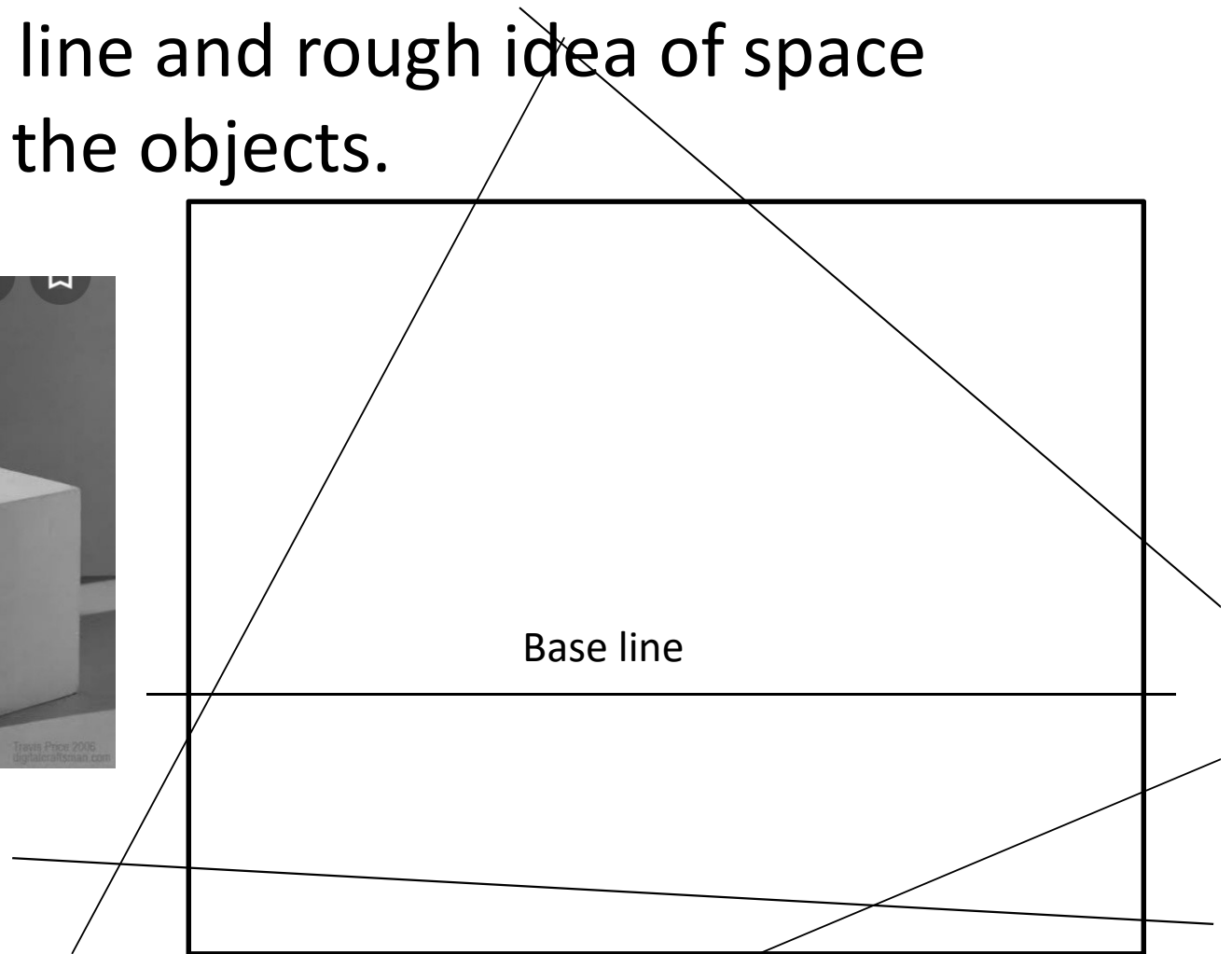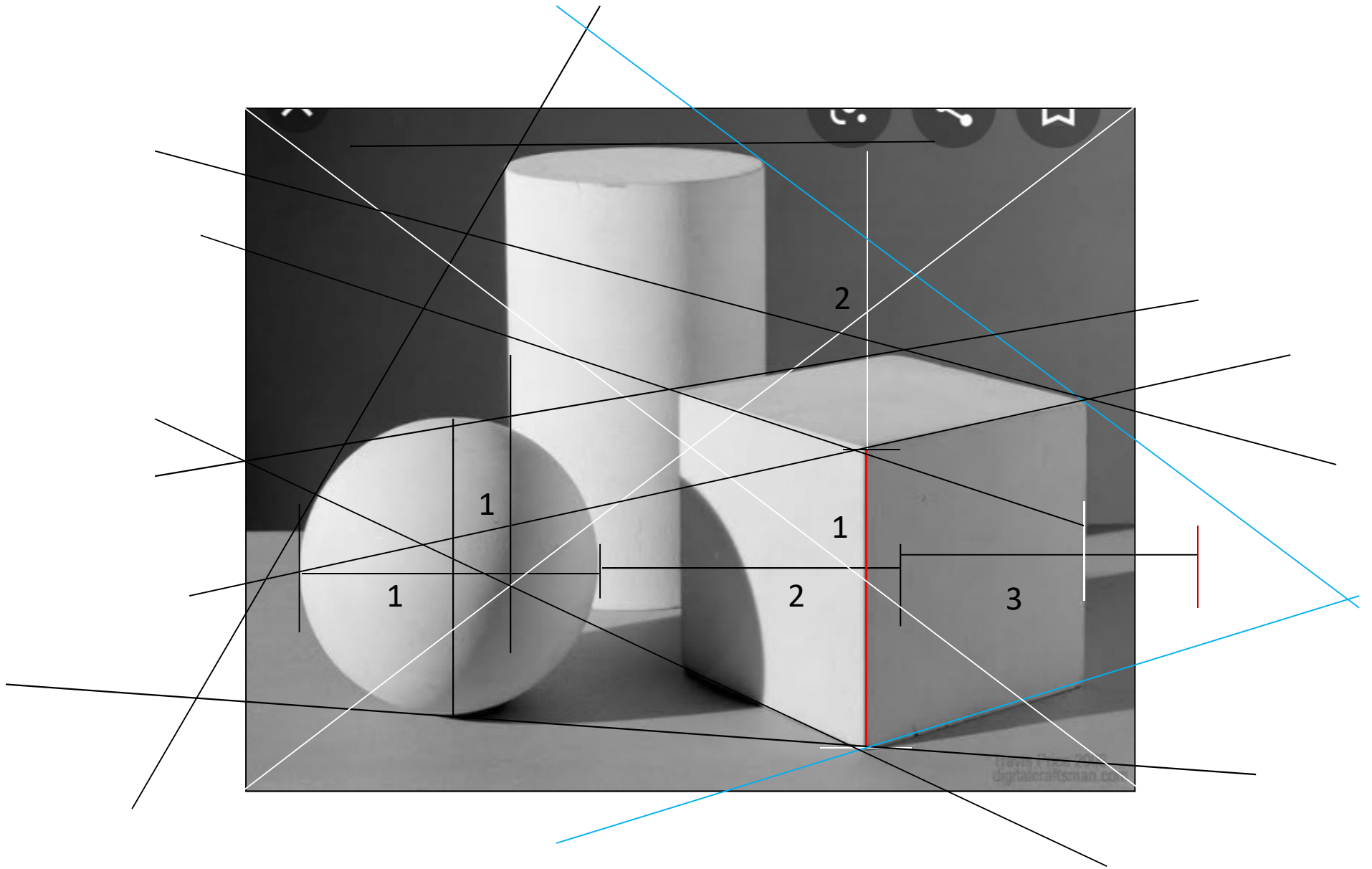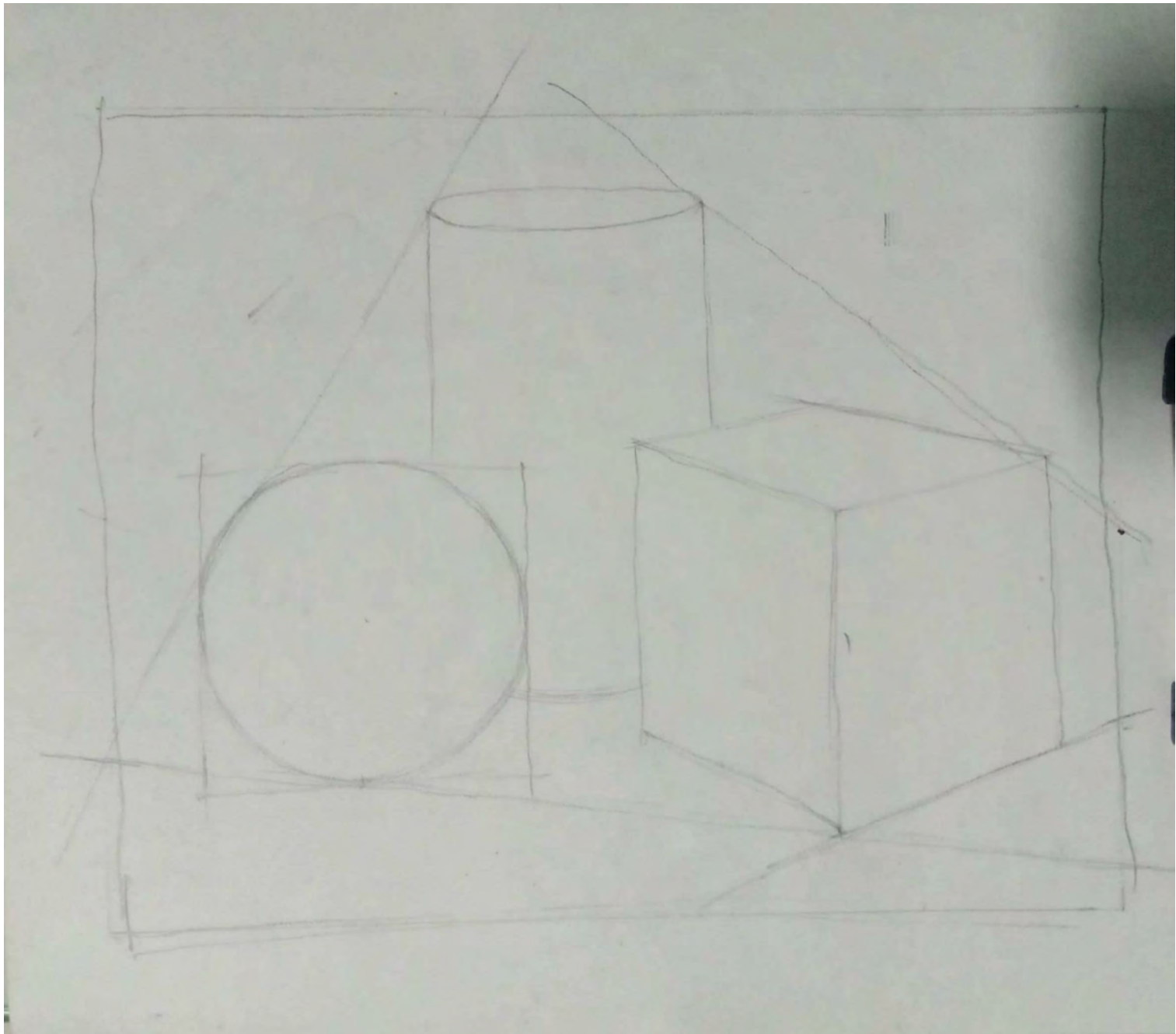
When a current is passed through a coil of wire, a magnetic field is set up around the coil. If a soft iron piece is placed in the coil. carrying current, the iron get magnetised and this process is known as electro magnetism. In other words the property of magnetising a soft iron piece by the help of an electric current passed through the coil is known as electro-magnetism.

Solenoid:— A solenoid may be considered as a number of turns of wire placed side by side so that when any electric current passes through it, it behaves just like a magnet ie. one of its ends becomes North Pole

and other becomes South Pole. By inserting a soft iron core inside the solenoid, the magnetic strength is increased.

Importance of electro-magnetism

Most of the devices and equipments are used on the principle of electromagnetism because the strength of the electromagnetism can be controlled by regulating the current and the air gap and moreover these can be made in large sizes and of considerable strength. Without its use our whole industrial field would stop functioning. All electric motors, generators, radios, transistors, televisions, electric bells etc. are dependent upon it.

<div align="center">Sub. Tr. - P. Chetia</div>

HOLIDAY HOMEWORK FOR SUMMER VACATION 2020-21
Library

S.No.	Class & Sec	Homework
1	VI	1. Write a book review of your favorite book in library copy or submit it on library blog. (Book review format available on library blog)
2	VII	2. Make two bookmarks.
3	VIII	3. Write a story with moral. (English or Hindi) 4. Write two biography of famous Hindi author.
4	IX	1. Write two book reviews of your favourite book. (submit it on library blog)
5	X	
6	XI	2. Write an essay on Importance of Technology in Education (500 words). (submit it on library blog)
7	XII	

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