READING SKILL

Q1. Read the passage and answer the following questions.

I. Detachment is not physically renouncing our possessions, profession, home and family as many of us think. It is the ability to let go of all the desires, habits, emotions, thoughts, speech and behavior patterns that are negative or detrimental to our well-being in any way. Detachment and discrimination are interdependent; they mutually strengthen each other and empower us. The more we are able to discriminate, the more we are able to segregate our harmful desires and discard them. The more mental trash we discard this way, the more we empower our faculty of discrimination.

II. There is a simple technique we can all practise to strengthen our discrimination and detachment and get rid of unnecessary desires. This will generate the awareness we need to control our senses and mind and make them stop churning out desires every moment. To practise this technique, we should select a quiet place when we have some leisure time.

III. Sit down with a few sheets of paper and pen or a computer and make two lists. In the first list, understand and write down your most important goal or agenda in this life. Then meticulously add all the other goals that you would like to achieve. While you make this list, you shouldn't think only about yourself. Include what you would like to contribute to the welfare of your dependants, children and their forthcoming generations.

IV. Once you complete this, set it aside and begin the second list. List all your desires here. They may be big or small, important or insignificant, right or wrong, demonic or divine. Just remove the lid on the Pandora's Box and allow them all to spill out freely. Don't try to censor or edit the list of desires at this stage. Complete the list first. After you have made an exhaustive list, go over it to see which of these desires are truly necessary, conducive to your meditation, helpful and favourable to you and beneficial to others.

V. If you have been serious and honest in doing this exercise, you will have long lists of goals and desires and many of them may be selfish or detrimental to your goal of meditation, visualisation, self-realisation, peace, happiness and bliss. This exercise will help you develop frankness and honest with yourself. You will touch your true feelings and bring many of your hidden ambitions and desires into the open.

Answer the following questions, based on the passage above.

A. Why does the writer say that detachment is empowering?   1
   (a) It makes us let go of our desires.
   (b) It helps us physically renounce our possessions.
   (c) It helps us get detached from family and relations.
   (d) It strengthens our sense of discrimination.

B. What are the popular misconceptions about detachment that are dispelled by the author? Rationalise your response in about 40 words.   2

C. Complete the sentence appropriately choosing appropriate words from the passage to complete the author's advice.   1

The author encourages the readers to 'remove the lid on the Pandora's Box and allow your desires and wishes to spill out freely' _____.

D. The passage includes some word-pairs that are similar to each other. From the sets (a)-(e) below, identify the word-pair that is the odd one out.   1
   (a) frankness and honesty   (b) goal and agenda
   (c) censor and edit   (d) detachment and discrimination
   (e) detachment and renunciation

E. The writer correlates detachment and discrimination and says that we should make serious efforts to strengthen them (Paragraph 2).   1
   State the most important outcome of this process.

F. Based on your reading of the text, list two reasons why the writer implies that the human mind is full of trash. Answer in about 40 words.   2

G. Evaluate the outcomes given below after completing both the lists of our desires and goals in life. Which of these is not advised by the author and therefore, should not be on the list?   1
   (a) They contain goals that are truly necessary.
   (b) They may be censored or edited.
   (c) They are beneficial to our family and their future generations.
   (d) They are conducive to mental well-being.

H. Supply one point to justify the following.   1
   Awareness puts a lid on our mind which keeps churning out desires every moment which can be confusing.

LITERATURE

Q2. Answer the following questions 40 -50 words.

  A. What mood of the poet is reflected in the poem "Dust of Snow" initially? What images are used by the poet to bring about the effect? Comment.   **(3)**

  B. One should never judge a book by its cover. Explain with reference to Ausable and how he outwits Max with his presence of mind.   **(3)**

  C. "I'll take the risk." What is the risk? Why does the narrator take it? (The Black Aeroplane)   **(3)**

  D. Trust and compassion can reform a person. Justify this statement in the light of the lesson "The Thief's Story."   **(3)**

  E. Read the following extracts and answer the questions that follow: **(5)**

Has given my heart

A change of mood

And saved some part

Of a day I had rued.

   I.   What did poet realize when dust of snow fell on him?

II. Which poetic device is used in the following line- 'and saved some part' and 'has given my heart'?

III. What was saved for the poet?

IV. Which word is the synonym of 'feel remorse' or 'regret' as used in the stanza?

V. The tone used in the given extract is………………………..

Q3. Answer the following questions in 100-120 words.

A. A character arc is the transformation or development of a character throughout a story and refers to the changes a character undergoes as a result of their experiences, challenges, and interactions with other characters. In the light of the above information, trace the character arc of the thief in Ruskin Bond's The Thief's Story, in about 120 words.

B. . You have been asked to present the evaluation of the approaches of both, the Baby Seagull and the Pilot who was lost in the clouds, towards achieving their dreams of conquering the skies.
   Write the presentation draft including your insights, comparing the approaches of both. You may begin this way: One acknowledges that both, the Seagull and the Pilot, wanted to……………………. however…   **(6)**

C. What was Mr. Herriot's strict advice? Did Mrs. Pumphrey agree to his advice? What excuses did Mrs. Pumphrey make about Mr. Herriot's advice?   **(6)**

D. "We pledge ourselves to liberate all our people from the continuous bondage of poverty, deprivation, suffering, gender, and other discrimination." From the above mentioned lines said by Nelson Mandela we come to know that discrimination based on skin existed in South Africa.
   In India, we see discrimination based upon caste and sect. Is such type of discrimination justified?   **(6)**

E. Motivation plays an important role in taking risks in life and in succeeding. Do you agree? Discuss with reference to the pilot of the old Dakota and the young seagull. **(6)**

F. Irony and ungratefulness is demonstrated in Lencho's condemnation of the post office employees as a 'bunch of crooks'. Do you agree? Justify your answer with reference to the story.   **(6)**
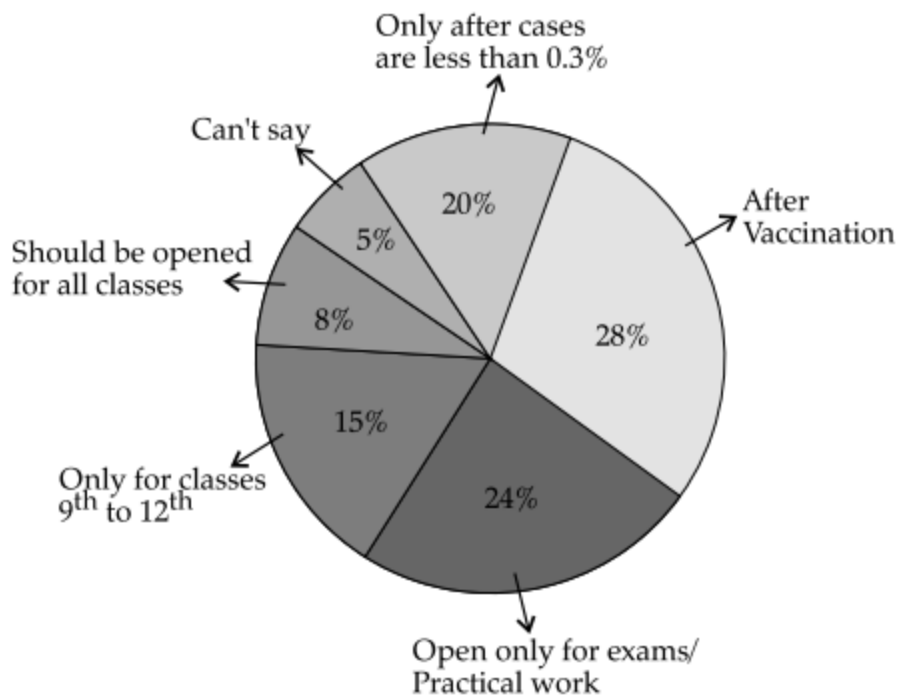
CREATIVE WRITING SKILLS   (5 Marks each)

Q4. A. In your local market, you have noticed that young children are working in a few restaurants. You were aghast to see a blatant violation of laws. Write a letter to the editor of a national daily, in about 120 words, expressing your concern at the situation and suggesting measures to resolve the problem and drawing attention of the concerned authorities. You are Mauzam Haseeb/ Nasif Khan of 917, Platinum Apartments, Gomti Vihar, Kath Nagar.
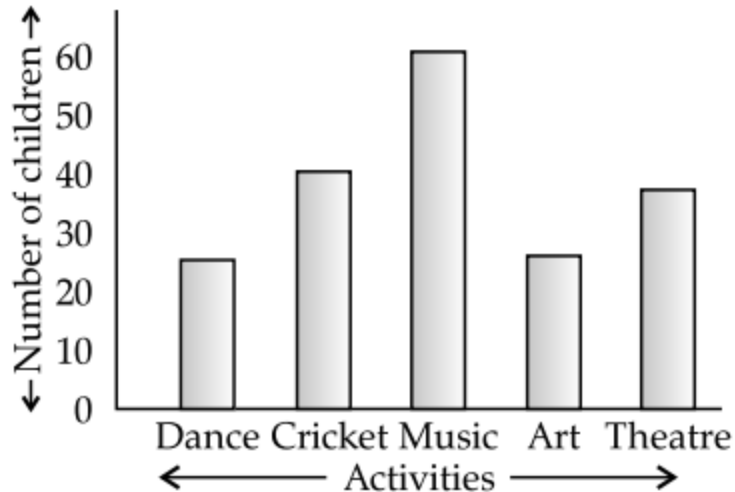
B. As Armaan Khan, the School Literary Captain of Ujjwal Academy, Old City, Kiladerabad, you believe that languages can help bridge regional divides and promote unity. Write a letter to the Editor of a national daily, in about 120 words, suggesting the introduction of an online regional language learning programme managed and run by student councils and language clubs in the city. The programme aims to help residents who have recently relocated to a new region in picking up the local language organically. Share the importance and credibility of such a programme and suggest a feasible way to execute it along with possible activities.

Q5. A. A group of enterprising young adults conducted a survey on reopening of educational institutions in the National Capital.

B. Write a paragraph in about 120 words analysing the listed responses.
A survey was conducted in the National Capital in over twenty schools about the different activities that interest the children in the age group of 13 years to 15 years. Write a paragraph in not more than 120 words, analyzing the following information.

GRAMMAR

Q 6. **A.** Fill in the blank by choosing the correct option to complete the advertisement given by a car company.

The vehicle also has a divider to separate the front passengers from the rear, in case you want_____around like Miss Daisy.

I. To be driven

II. To driving

III. The drive

IV. The driving

B. Identify the error and supply the correction for the following part of an advertisement of a web hosting site.

One of the world's most popular domain name seller provides fantastic web hosting packages as well.

C. Monika and Sunil had a conversation about their summer vacation plans. Report Sunil's question.

Are you planning to visit your hometown during the summer vacation?

D. Fill in the blank by choosing the corre ct option to complete the quotation by Joyce Meyer.

"_____(Complement/Compliment/ Compliance) people magnify their strengths, not their weaknesses."

Q7.ART INTEGRATED PROJECT: (25 marks)

Using your imagination and creativity make a travel brochure for various tourists spots in:

A. GUJRAT : ROLL NO 1 TO 20

B. JAMMU AND KASHMIR : ROLL NO 21 TO 40

ARMY PUBLIC SCHOOL KALUCHAK
HOLIDAY HOMEWORK
PROJECT WORK- CLASS-X-2024-25
SUSTAINABLE DEVELOPMENT

Prepare a project report on "Sustainable development"

PROCEDURE-

1. Read chapter" Resources and development "from Geography book.

2. Make **an investigatory report** highlighting following topics

1. Ratifying Paris Agreement.

• Explain the Paris Agreement.

• What are the five main points of the Paris Agreement?

• What are the three goals of the Paris Agreement?

• Why was it a failure?

2. The Clean Development Mechanism (CDM) *projects* **in India.**

• The main motto and objective of the CDM projects.

• Explain briefly the CDM project as a catalyst for sustainable development

• The data analysis

• Whether is it really effective

3. State Action Plans on sustainable development around the globe.

• Briefly explain any 5 major plans adopted by countries to achieve the goal of sustainable development.

• The celebrities who joined the UN campaign and their influence.

• Various global companies like Hyundai and Samsung joined the campaign with their own contribution.

- Explain briefly these contributions and how would it help with the sustainable development.

NOTE-

1. FOR MAKING PROJECT USE PRACTICAL LINED SHEETS OR A4 SHEETS.

2. PROJECT SHOULD BE HANDWRITTEN ONLY.

3. MAXIMUM PAGES-12-14 SHEETS

4. PASTE PICTURES.

5. The distribution of marks over different aspects relating to Project Work is as follows:

S. No.	Aspects	Marks
1.	Content accuracy, originality and analysis	10
2.	Presentation	10
3.	Creativity	5

6. DATE FOR SUBMISSION-   10 JULY 2024

ARMY PUBLIC SCHOOL KALUCHAK

QUESTION BANK FOR X

SOCIAL SCIENCE

Q.1. Why is it essential to have resource planning? Explain any three reasons

Q.2. What are the three stages of resource planning in India?

Q.3. Define the following terms:

1. Current fallow land
2. Other than current fallow
3. Cultivable waste land

Q.4. Which geographical factors are responsible for the evolution of black soil? Why is it considered the most

suitable for growing cotton?

Q.5. "Sustainability of development is a new area of knowledge". Do you agree? Justify your answer.

Q.6. What is the meaning of development? Explain the two aspects of development.

Q.7. "Money cannot buy all the goods and services that a person may need to live well". Explain the statement

with suitable example.

Q.8. "People have conflicting developmental goals". Support the statement with suitable example.

Q.9. How has the World Development Report classified countries? What are the limitations of this report?

Q.10.What is sustainable development? Why is the issue of sustainability important for development?

Explain.

Q.11. Highlight any three steps taken by India towards making it a federation.

Q.12. Differentiate between Gram Sabha and Gram Panchayat.

Q.13. Describe the significance of decentralization.

Q.14. Explain any five provisions of the Constitutional Amendment of 1992 that strengthened the third tier of

government in India.

Q.15.Highlight three major distinctions between the federations of 'coming together' type and 'holding together'

type.

Q.16. Describe the militant guerrilla movement of Andhra Pradesh.

Q.17. How did the peasants of Awadh use different methods to achieve their goal? Explain.

Q.18. Which social groups participated in the Civil Disobedience Movement?

Q19. When was the Gandhi-Irwin Pact signed? Name the provisions of the Act.

Q20. "Dalit participation was limited in the Civil Disobedience Movement." Examine the statement.

Q1. If Ritu were younger by 5 years than she really is, then the square of her age would have been 11 more than 5 times of her present age. Find her present age.

Q2. Find the nature of roots of the quadratic equation $2x^2 - 4x + 3 = 0$

Q3. For what values of k, the roots of the equation $x^2 + 4x + k = 0$ are real?

Q4. If the quadratic equation $px^2 - 2\sqrt5\, px + 15 = 0$, has two equal roots then find the value of p.

Q5. Find the value of k for which the equation $x^2 + k\,(2x + k - 1) + 2 = 0$ has real and equal roots

Q6. Find the roots of the quadratic equation $\sqrt2 x^2 + 7x + 5\sqrt2 = 0$.

Q7. In a flight of 600 km, an aircraft was slowed down due to bad weather. The average speed of the trip was reduced by 200 km/hour and the time of flight was increased by 30 minutes. Find the duration of flight.

Q8. A two digit number is such that the product of its digits is 12. When 36 is added to the number, the digits are reversed. Find the number.

Q9. A rectangular field is 16 m long and 10 m broad. There is a path of equal width all around inside it. If the area of the path is 120 m^2, find the width of the path.

Q10. In a class test, the sum of the marks obtained by P in mathematics and science is 28. Had he got 3 more marks in mathematics and 4 marks less in science, the product of marks obtained in the two subjects would have been 180. Find the marks obtained by him in the two subjects separately.

Q11. Find a point on the *y*-axis which is equidistant from the points A(5, 2) and B(– 4, 3).

Q12. Find the point on the *x*-axis which is equidistant from (2, –5) and (–2, 9).

Q13. Find the values of k for which the distance between the points A(k, –5) and B(2, 7) is 13 units.

Q14. In what ratio is the line segment joining A(2, –3) and B(5, 6) is divided by the *x*-axis. Also find the coordinates of the point of intersection of AB and the x-axis.

Q15. If the points A(6, 1), B(8, 2), C(9, 4) and D(*p*, 3) are the vertices of a parallelogram, taken inorder, find the value of *p*.

Q16. If five times the fifth term of an AP is equal to 8 times its eighth term, show that its 13th term is zero.

Q17. If the mth term of an AP is1/n and nth term be 1/m, then show that s_{mn} term is 1.

Q18. The sum of the 4th and 8th terms of an AP is 24 and the sum of the 6th and 10th terms is44. Find the first three terms of the AP.

Q19.. If 2x, x+10, 3x+2 are in AP, find the value of x.

Q20. Which term of the sequence 20, 19 ¼, 18 ½ , 17 ¾ .... is the first negative term?

ARMY PUBLIC SCHOOL KALUCHAK
HOLIDAY HOME WORK WORKSHEET
SUBJECT-SCIENCE
CLASS-X

TWO MARKS QUESTIONS

1. Mention the three kinds of cells present in blood.Write one function of each.
2. With the help of diagram explain how exchange of gases occurs in leaf of a plant
3. On placing a pale yellow coloured substance in sunlight, it turns grey. The substance is used in black and white photography
   (a)Identify the pale yellow and grey substances.
   (b)Identify the type of reaction and state the form of energy in the presence of which this reaction takes place.
4. 2 g of lead nitrate powder is taken in a boiling tube and is heated over a flame.
   (a)State the colour of the fumes and the residue left.
   (b)Name the type of reaction and write a balanced chemical equation.
5. (a) State laws of refraction.
   (b) A ray of light is incident normally to the surface of a glass slab placed in air. Find the angle
      of incidence and angle of refraction in this case.
6. (a) A man can read the number of a distant bus clearly but he finds difficulty in reading a book.
      From   which defect of the eye is suffering from?
   (b) A child sitting in class is not able to read writing on the blackboard. Name the type of defect
      he/she is suffering from?
7. The sun near the horizon appears flattened at the sun set and sun rise. Explain why?
8. Explain the following terms connected with the eye. (i) Ciliary muscles (ii) Accommodation.
9. (a) Why and how does water enter continuously into root system.
   (b) Translocation is an active process. Comment
10.2 g of ferrous sulphate crystals are heated in a dry boiling tube.
   (a)List any two observations
   (b)Name the type of chemical reaction   (c)Write the chemical equations

THREE MARKS QUESTIONS

11. Manju is uses a concave mirror for image formation for different positions of an object. What inferences can be drawn about the following when an object is placed at a distance of 10 cm from the pole of a concave mirror of focal length 15 cm ?
    (a) Position of the image (b) Size of the image (c) Nature of the image
    Draw a labelled ray diagram to justify your inferences.

12. (a) Define optical centre of a spherical lens.
    (b) You are given a convex lens of focal length 30 cm. Where would you place an object to get
        a real, inverted and highly enlarged image of the object ? Draw a ray diagram showing the image formation.
      (c) A concave lens has a focal length of 20 cm. At what distance should an object be placed so
        that it forms an image at 15 cm away from the lens

13. 15 ml of water and 10 ml of sulphuric acid are to be mixed in a beaker
     (a)What method should be followed? Justify.
     (b)What is this process called? Define the process.

14. A yellowish white powder of calcium is used for disinfecting drinking water.
    (a)Write its chemical name and formula.
    (b)How is it manufactured?
    (c)Write two uses of the compound

15. Name the digestive gland present in stomach. Write the composition of gastric juice and state function of each omponent.

16. (a) Draw schematic representation to show transport oxygen and carbondioxide in humans.
    (b)Name the four blood vessels connected to heart.

17. A reddish brown coloured metal, used in electrical wires, when powered and heated strongly in
     an open china dish, its colour turns black. When hydrogen gas is passed over this black substance, it regains its original colour.
     (a)Name the metal and the black coloured substance formed.
     (b)Write balanced chemical equations for both the reactions.

CASE STUDY BASED QUESTIONS

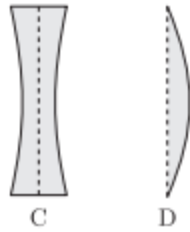**18. Read the following and answer the questions below   :**
    Lenses are objects made of transparent materials such as glass or clear plastic that has curved surfaces. Diverging lenses are thicker at their edges than at their centres and makes light rays passing through them spread out. Converging lenses are thicker in their middle than at this edges and make light rays passing through them focus at a point. These are used in spectacles to help people with poor vision see better. The converging lenses magnify by bending the rays of light that pass through them to meet at a point called focus. Thicker the converging lens is at its centre, the more its magnifies and closer the focus is to the lens.

(a) Ravi uses two lenses A and B of same size and same material as shown. P1 and P2 are the powers of A and B. An object is kept at the same distance from the lens between F and 2F

of each lens on the principal axis in turn. Let I1 and I2 be the image formed by two lenses respectively. What is the relation of image distances of both lens ?

(b) Write down the relation between the power of lens of both lenses ?

(c) Meenakshi uses above two lenses A and B along with another two lenses C and D, as shown :

C   D

She is able to see the subject matter on the black board while sitting in the front row in the classroom but is unable to see the same matter while sitting in the last row. Which of the above four lenses will she require to correct the defect in her vision? Why ?

(d) Natasha places an object on the principal axis of above given lens A. One end of this object coincides with the focus F and the other end with 2F. What will be the nature of the image formed by the lens on the other side ?

19. **Read the following and answer the questions below :**

Excretion is the process of removal of metabolic waste material and other non-useful substances. Organisms like animals have an advanced and specialized system for excretion. But plants lack a well-developed excretory system like that in animals.
They do not have special organs for excretion, and thus excretion in plants is not so complex.

(a) Name the artery that bring oxygenated blood to the kidney.Name the cluster , thin walled capillaries present in the Bowmann's capsule.

(b) List two major steps involved in the formation of urine and state in brief their function

(c) In which part of the nephron does selective reabsortion take place? List the factors on which amount of water reabsorbed depends on.

20. **Read the following and answer the questions below :**

The changes in which no new substances with different chemical properties are formed, are called physical changes. The changes in which new substances with different chemical properties are formed,are called chemical changes. Corrosion is the process in which metals are eaten up gradually by the action on air , moisture or a chemical on their surface. The aerial oxidation of fat and oil containing food which leads to unpleasant smell and taste are called rancidity
When a metal is attacked by substances around it such as moisture, acids, etc., it is said to corrode, and this process is called corrosion. The black coating on silver, green coating on copper and reddish-brown powder on iron surface are some examples of corrosion.

(a) Write the chemical name and formula of corrosion of silver.

(b) Name two methods to prevent corrosion of iron.

(c) A black colour metal 'X' upon exposure to surrounding develops reddish brown layer 'Z'.

      (i) Identify 'X' and 'Z'?

      (ii) Write a chemical equation for formation of 'Z'.

INVESTIGATORY PROJECTS:-

1. River pollution in Jammu and its management. (Roll no. 1-10)

2. Effects of rising temperature on the rate of photosynthesis globally. (Roll no.11-20)

3. Water conservation in Urban and Rural India. (Roll no.21-30)

4. Effects of different types of packaging on food preservation. (Roll no.31 onwards)