

**KENDRIYA VIDYALAYA MIAO**

**Winter break holiday homework**

**Subject: Social Science**

**Class: VI**

1. **Complete the question answers of the chapter Major domains of the earth.**
2. **Learn the answers of the following questions and write it in your Social Science notebook:**
  - i. What were the problems that Ashoka wanted to solve by introducing dhamma?
  - ii. What were the means adopted by Ashoka to spread the message of dhamma?
  - iii. What is the difference between a Gram Sabha and a Gram Panchayat?
  - iv. What, in your opinion, is the importance of the Gram Sabha? Do you think all members should attend Gram Sabha meetings? Why?
  - v. What is the work of a tehsildar?
  - vi. In what ways are the work of the Panchayat and the work of the Patwari related to each other?
  - vii. What were the functions of Grambhojaka? Why was he powerful?
  - viii. Why Mathura was an important site about 2500 years ago? Explain briefly.
  - ix. Discuss the reasons why the Chinese pilgrims came to India.
  - x. Why do you think ordinary people were attracted to Bhakti?
  - xi. . List four ways in which the work of the Municipal Corporation affects the life of a city-dweller.
  - xii. Who is a Municipal Councillor?
  - xiii. Why is the earth called the 'blue planet'?
  - xiv. Why is the Northern Hemisphere called the Land Hemisphere?
  - xv. Why is the Biosphere important for living organisms?
3. **Take a blank political outline map of India and locate the following points on it with the help of a pencil (take the help from your history textbook chapter: Ashoka the emperor, who gave up the war)**
  - i. Ujjain
  - ii. Pataliputra
  - iii. Taxila
  - iv. Sanchi

## शीतकालीन अवकाश गृहकार्य 2022-23

### कक्षा -6

प्रश्न -1 एक से पचास तक की संख्या संस्कृत में लिखो और याद करो।

प्रश्न -2. पठ् और वद् धातु का रूप लट्, लोट्, लृट् , एवं लङ् लकारों में लिखो ।

प्रश्न -3. सूक्तिस्तवकः और कृषिकाः कर्मवीराः पाठ के श्लोकों को याद करो ।

प्रश्न -4. सूक्तिस्तवकः, क्रीडास्पर्धा, कृषिकाः कर्मवीराः और दशमः त्वम् असि पाठ के प्रश्नोत्तरों को परीक्षा की दृष्टि से याद करना।

प्रश्न - 5. निम्नलिखितायां वर्गप्रहेलिकायां महापुरुषाणां नामानि चिनुत ।

नीचे दिए गए वर्ग प्रहेलिका में महापुरुषों के नाम पहचान कर लिखो।

ग	स	रो	जि	नी	म	च
शा	स्	त्री	ट	प	टे	ल
त	बा	पू	इं	व	रे	क्ष्
ने	ह	रू	दि	न	सा	मी
य	अ	इ	रा	जी	व	बा
ण	ति	ल	क	ज	ओ	ई
फ	सु	भा	ष	ध	ए	उ

KENDRIYA VIDYALAYA IOC BARAUNI  
Winter Break Self Work CLASS VI (22- 23)

**GENERAL INSTRUCTIONS**

1. Complete the homework in homework notebook only.
2. Write the answers in neat handwriting.
3. Cover the notebook, if not covered.

**TASK 1.** Read and revise the chapters/ grammar topics done in the class. (Term 2 complete syllabus + Tansen, A different kind of school and where do all the teachers go from term 1) – learn spelling, word meaning, try to make sentences from the words taught in the class, revise question and answer.

Complete the notebook, if any chapter is not completed. Complete Learner’s Diary.

**TASK 2.** Complete the story from the given beginning in about 100-120 words. Yesterday, while I was getting ready for school, I thought to myself what if .....

**TASK 3.** Write a letter to your friend expressing your feelings about the special place he/she has in your life.

**TASK 4.** Write an application to the principal of your school requesting him to grant you two days’ leave.

**TASK 5.** Write paragraph on the following topics: (80- 100 words)

- a. My Daily routine      b. My Hobbies    c. Friendship    d. How I spent Winter Break.

**TASK 6.** A student in your class has lost his tiffin. Write a notice for your school notice board informing the students about it. You are Nachiket/ Nachiketa, monitor of class VI.

**TASK 7.** Draft a notice for your school notice board as you have found a watch in school library.

**TASK 8.** The teacher in your class announced the result of reading challenge competition but your friend was not present, so he couldn’t get the result. When in evening you reached at his home, he was not at home. Write a message for him informing him about his selection.

**TASK 9.** Place the suitable articles a, an, the or no article in blank space:

- a. \_\_\_\_ man and \_\_\_\_ woman were sitting opposite me.
- b. During our holiday, we stayed at \_\_\_\_ hotel.
- c. As it was raining, I took \_\_\_\_ umbrella.
- d. The tourist is \_\_\_\_ European.
- e. \_\_\_\_ English is spoken in England.
- f. \_\_\_\_ Iron is found in India.
- g. \_\_\_\_ Alps is situated is \_\_\_\_ Europe.
- h. Have you had \_\_\_\_ breakfast?
- i. Sania Mirza plays \_\_\_\_ tennis.
- j. I am \_\_\_\_ Indian while he is \_\_\_\_ chinese.

**TASK 10.** Write down verb forms of the following verbs:

- a. Read b. Write c. Learn d. teach e. Know e. eat f. lie g. run h. cut i. sit j. stand k. play l. see m. sleep  
n. cry o. laugh p. scold q. help r. fall s. fly  
memorise other verb forms.

[Type here]

TASK 11. Write antonym of the following words. Also write synonyms of the same words.

- a. Friend b. Domestic c. Rude d. intelligent e. Punctual g. Beautiful.  
h. Blunt i. Praise j. Beast k. serious l. huge m. Innocent n. accept o. clean p. Peace  
q. sweet r. Profit s. Humble n. regular o. broad p. negative

TASK 12. Finish the class magazine.

TASK 13. Read Magazines, Newspaper, story books. Keep a record of your reading in web form. You have to share this with your friends after winter break.

What I Learnt (new words, new ideas, new experience)

WISHING ALL OF YOU GREAT YEAR AHEAD!!

ENJOY YOUR HOLIDAYS!!

[Type here]

[Type here]



**Chapter - 10**  
**Motion and Measurement of Distances**

**Multiple Choice Questions:**

**1. The distance between Delhi and Mumbai is usually expressed in units of**

- (a) decametre
- (b) metre
- (c) centimetre
- (d) kilometre

**Solution:**

(d): kilometre

The distance between Delhi and Mumbai is usually expressed in units of kilometre.

**2. Which of the following does not express a time interval?**

- (a) A day
- (b) A second
- (c) A school period
- (d) Time of the first bell in the school

**Solution:**

(d): Time of the first bell in the school

Time of the first bell in the school represents a point of time, not a time interval.

**3. Figure shows a measuring scale which is usually supplied with a geometry box. Which of the following distance cannot be measured with this scale by using it only once?**



**Fig. 10.1**

- (a) 0.1m
- (b) 0.15 m
- (c) 0.2 m
- (d) 0.05 m

**Solution:**

(c): 0.2 m

This scale is 0.15 m long. 0.2 m cannot be measured, if used only once.

**4. A piece of ribbon folded five times is placed along a 30 cm long measuring scale as shown in figure.**



**Fig. 10.2**

The length of the ribbon is between

- (a) 1.15 m – 1.25 m
- (b) 1.25 m – 1.35 m
- (c) 1.50 m – 1.60 m
- (d) 1.60 m – 1.70 m.

**Solution:**

(b): 1.25 m – 1.35 m

According to the above figure, the five times folded ribbon piece is  $(27.5 - 2) \text{ cm} \times 5 = 1.275 \text{ m}$  long approximately.

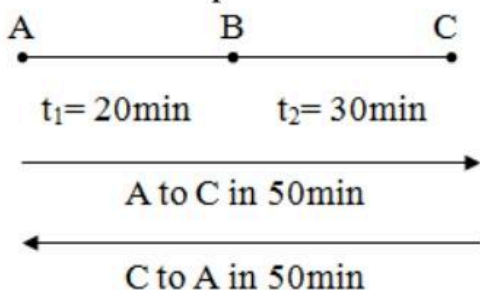
**5. Paheli moves on a straight road from point A to point C. She takes 20 minutes to cover a certain distance AB and 30 minutes to cover the rest of distance BC. She then turns back and takes 30 minutes to cover the distance CB and 20 minutes to cover the rest of the distance to her starting point. She makes 5 rounds on the road the same way. Paheli concludes that her motion is**

- (a) only rectilinear motion
- (b) only periodic motion
- (c) rectilinear and periodic both
- (d) neither rectilinear nor periodic

**Solution:**

(c): rectilinear and periodic both

Paheli is moving along a straight line with a fixed time period. So, her motion is rectilinear and periodic both.



**6. Bholu and Golu are playing in a ground. They start running from the same point A in the ground and reach point B at the same time by following the paths marked 1 and 2 respectively as shown in figure. Which of the following is/are true for the**

given situation?

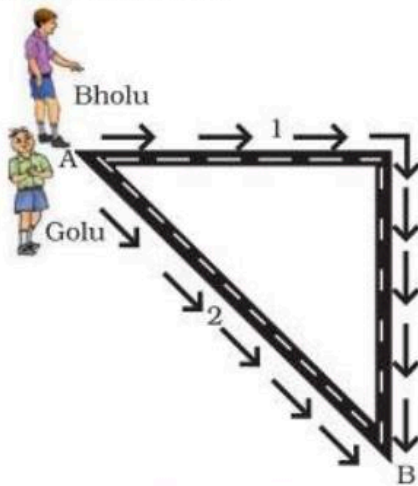


Fig. 10.3

- As compared to Golu, Bholu covers a
- (a) longer distance but with a lower speed
  - (b) longer distance with a higher speed
  - (c) shorter distance with a lower speed
  - (d) shorter distance with a higher speed

**Solution:**

(b): longer distance with a higher speed

Path 1 is longer than path 2. But Golu and Bholu both have reached point B at the same time, so Bholu's speed is more than Golu's speed.

7. Four pieces of wooden sticks A, B, C and D are placed along the length of 30 cm long scale as shown in figure. Which one of them is 3.4 cm in length?



Fig. 10.4

- (a) A
- (b) B
- (c) C
- (d) D

**Solution:**

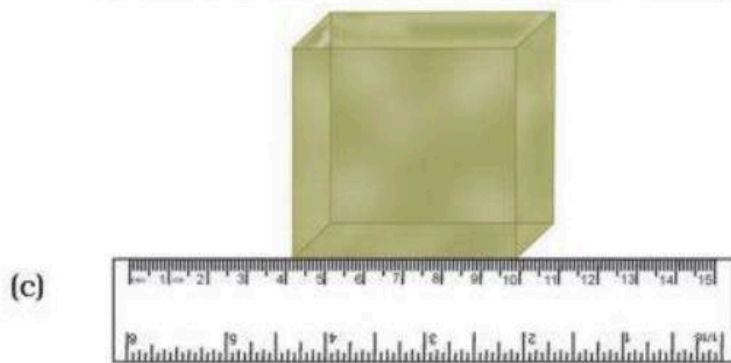
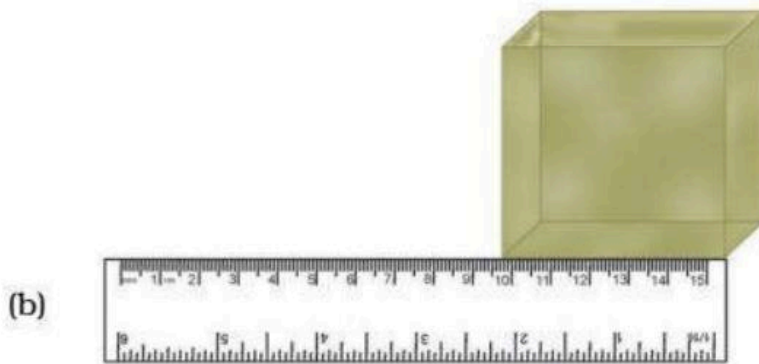
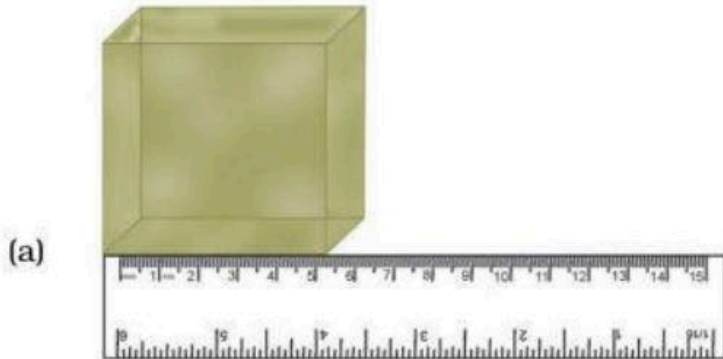
(c) C

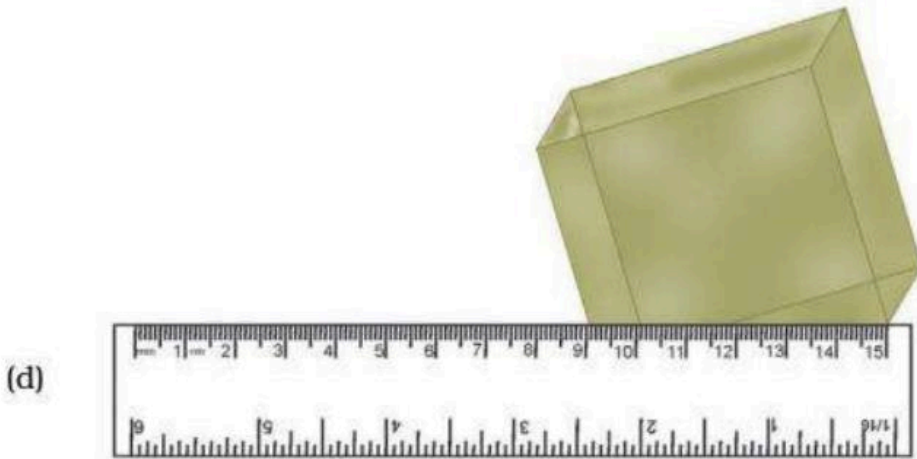
We can observe from the given figure, that stick C lies between 10.4 cm and 7 cm. So, its



length is  $(10.4 - 7) \text{ cm} = 3.4 \text{ cm}$ .

**8. Which of the following figure shows the correct placement of a block along a scale for measuring its length?**



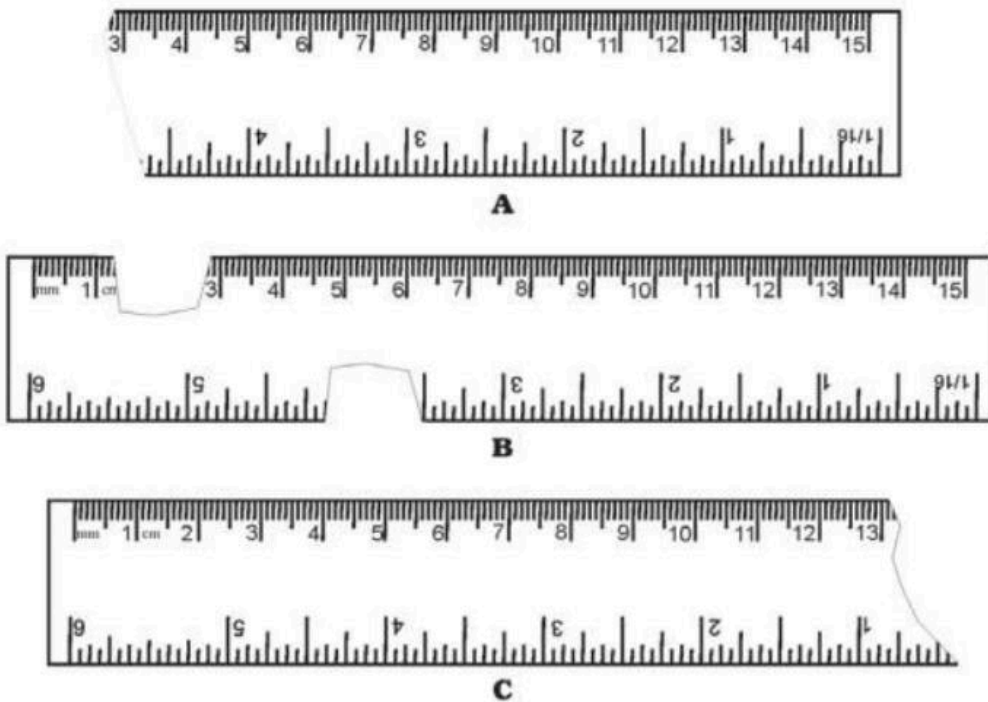


**Fig. 10.5**

**Solution:**

(c): Object should be placed on a scale such that its ends lie in between the readings marked on the scale.

**9. You are provided three scales A, B and C as shown in figure to measure a length of 10 cm.**



**Fig. 10.6**

**For the correct measurement of the length you will use the scale**

- (a) A only**
- (b) B only**
- (c) C only**
- (d) Any of the three Scales.**

**Solution:**

(d): Any of the three Scales.

Length of 10 cm is available in all the three scales A, B and C. So, any of the three scales' can be used.

**10. Correct the following:**

**(i) The motion of a swing is an example of rectilinear motion.**

**(ii)  $1\text{m} = 1000\text{cm}$**

**Solution:**

(i) No, the motion of a swing is not an example of rectilinear motion. The motion of a swing is an example of periodic motion as it repeats its motion after a fixed interval of time.

(ii)  $1\text{m} = 100\text{ cm}$ . Each metre (m) is divided into 100 equal divisions, called centimeter (cm).

**11. Fill in the blanks.**

**(i) Motion of an object or a part of it around a fixed point is known as \_\_\_\_\_ motion.**

**(ii) A body repeating its motion after certain interval of time is in \_\_\_\_\_ motion.**

**(iii) In rectilinear motion, object moves a \_\_\_\_\_ line \_\_\_\_\_.**

**(iv) SI unit of length is \_\_\_\_\_.**

**Solution:**

(i) Circular

(ii) periodic

(iii) along; straight

(iv) metre

**12. Write one example for each of the following type of motion.**

**(i) Rectilinear**

**(ii) Circular**

**(iii) Periodic**

**(iv) Circular and periodic**

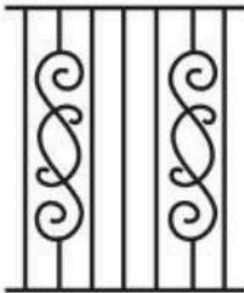
**Solution:**

(i) Rectilinear - An apple falling vertically downwards.

- (ii) Circular - The motion of a point marked on the hands of a clock.
- (iii) Periodic - Motion of a child on a swing.
- (iv) Circular and periodic - Blades of a rotating fan.

**Short Answer Questions:**

13.



**Fig. 10.7**

The photograph given in figure shows a section of a grille made up of straight and curved iron bars. How would you measure the length of the bars of this section, so that the payment could be made to the contractor?

**Solution:**

As the grille is made up of straight and curved iron bars, so the length of the curved bars can be measured with the help of thread first and then can be further measured using a scale. The straight bars can be measured with measuring tape.

14. Identify the different types of motion in the following word diagram given.

Y	O	U	N	G	C	C	N	T	E	R
L	E	V	E	L	P	I	E	E	A	R
A	L	L	O	T	O	P	P	E	A	I
N	O	T	E	P	A	D	N	E	C	K
O	W	O	N	E	W	I	Y	Z	S	E
I	E	V	O	R	L	O	A	D	W	P
T	R	G	N	I	C	E	D	R	I	L
A	Z	H	T	O	N	G	U	E	N	A
T	X	C	R	D	E	P	T	H	G	R
O	E	Y	C	I	R	C	U	L	A	R
R	T	L	C	C	O	P	P	E	R	T

**Fig. 10.8**

**Solution:**



Y	O	U	N	G	C	C	N	T	E	R
L	E	V	E	L	P	I	E	E	A	R
A	L	L	O	T	O	P	P	E	A	I
N	O	T	E	P	A	D	N	E	C	K
O	W	O	N	E	W	I	Y	Z	S	E
I	E	V	O	R	L	O	A	D	W	P
T	R	G	N	I	C	E	D	R	I	L
A	Z	H	T	O	N	G	U	E	N	A
T	X	C	R	D	E	P	T	H	G	R
O	E	Y	C	I	R	C	U	L	A	R
R	T	L	C	C	O	P	P	E	R	T

15. Four children measure the length of a table which was about 2m. Each of them used different ways to measure it.

- (i) Sam measured it with a half metre long thread.
- (ii) With a 15cm scale from her geometry box.
- (iii) Reena measured it using her hand span.
- (iv) Salim measured it using a 5m long measuring tape.

Which one of them would get the most accurate length? Give reason for your answer.

**Solution:**

(iv) Salim measured it using a 5m long measuring tape.

By using a 5m long measuring tape which is longer than the table, Salim would get the most accurate length. So, he can measure the length of the table in one go accurately.

16. Match the events related to motion in column I with the types of motions given in column II.

<u>Column I</u>	<u>Column II</u>
(a) A moving wheel of a sewing machine	(i) Circular motion
(b) Movement of tip of the minute hand of a clock in one hour	(ii) Rotational motion
(c) A moving swing	(iii) Periodic motion

**Solution:**

Here is the correct match:

<u>Column I</u>	<u>Column II</u>
(a) A moving wheel of a sewing machine	(ii) Rotational motion

(b) Movement of tip of the minute hand of a clock in one hour	(i) Circular motion
(c) A moving swing	(iii) Periodic motion

**17. While travelling in a train, it appears that the trees near the track are moving whereas co-passengers appear to be stationary. Explain the reason.**

**Solution:**

While sitting in a moving train, the trees appear to be moving in opposite direction because their position is changing with respect to us. While the position of co-passengers appears to be in stationary position since they are not changing with respect to us.

**18. How are the motions of a wheel of a moving bicycle and a mark on the blade of a moving electric fan different? Explain.**

**Solution:**

The wheels of a moving bicycle indicate circular as well as rectilinear motion. Wheels of bicycle rotate on the ground which in turn moves the bicycle forward. A blade of a moving electric fan shows only circular motion as it is not moving from one place to another.

**19. Three students measured the length of a corridor and reported their measurements. The values of their measurements were different.**

**What could be the reason for difference in their measurements? (Mention any three)**

**Solution:**

Some of the reasons for difference in their measurement could be

- (i) Measurement may not be along the shortest length in all three cases.
- (ii) The measuring devices may not be standard.
- (iii) Different measuring devices were used.
- (iv) The end of the corridor may not be easily accessible.
- (v) The smallest length that could be measured by different devices may be different.

**20. Boojho was riding in his bicycle along a straight road. He classified the motion of various parts of the bicycle as**

**(i) rectilinear motion**

**(ii) circular motion and**

**(iii) both rectilinear as well as circular motion. Can you list one part of the bicycle for each type of motion? Support your answer with reason.**

**Solution:**

(i) Rectilinear motion: Handle of the bicycle has rectilinear motion. It moves in a straight

line as the wheels of bicycle move forward.

(ii) Circular motion: Pedal of the bicycle is having circular motion it rotates with its shaft but does not move from its place.

(iii) Rectilinear and circular motion: Wheel of the moving bicycle is having both circular and rectilinear motion. Wheels rotate on their shafts as well as move forward on the ground.

**Chapter - 9**  
**The Living Organisms and their Surroundings**

**Multiple Choice Questions:**

**1. Which of the following cannot be called a habitat?**

- (a) A desert with camels
- (b) A pond with fishes
- (c) A jungle with wild animals
- (d) Cultivated land with grazing cattle

**Solution:**

(d): Cultivated land with grazing cattle

Habitat is the natural environment where an organism lives. Habitat provides an organism everything it needs to survive i.e., food, shelter and proper climatic conditions.

Cultivated land is not the actual place where grazing cattle live.

**2. Following are some features of plants.**

- (i) They lose a lot of water through transpiration.
- (ii) Their leaves are always broad and flat.
- (iii) They lose very little water through transpiration.
- (iv) Their roots grow very deep into the soil.

**Which of the combination of above features are typical of desert plants?**

- (a) (i) and (ii)
- (b) (ii) and (iv)
- (c) (ii) and (iii)
- (d) (iii) and (iv)

**Solution:**

(d): (iii) and (iv)

Leaves of the desert plants are very small or reduced to spines to reduce water loss through transpiration and roots of these plants grow deep into soil for absorbing water.

Hence, desert plants are adapted to live in hot and dry conditions of desert.

**3. Boojho comes across an animal having a stream-lined and slippery body. What is the habitat of the animal?**

- (a) Water
- (b) Desert
- (c) Grassland
- (d) Mountain

**Solution:**

(a): Water

Water animals have streamlined body shape which reduces resistance while swimming in water and slippery body helps easily flow in the water which prevents damaging of body.



**4. Which of the following are characteristics of living beings?**

- (i) Respiration**
- (ii) Reproduction**
- (iii) Adaptation**
- (iv) Excretion**

**Choose the correct answer from the options below.**

- (a) (i), (ii) and (iv) only**
- (b) (i) and (ii) only**
- (c) (ii) and (iv) only**
- (d) (i), (ii), (iii) and (iv)**

**Solution:**

(d): (i), (ii), (iii) and (iv)

Respiration, reproduction, adaptation, excretion are all characteristics of living beings which is necessary for all living organisms.

**5. Earthworms breathe through their**

- (a) skin**
- (b) gills**
- (c) lungs**
- (d) stomata**

**Solution:**

(a): skin

Breathing occurs in earthworms through moist body surface. Earthworms lack specialized breathing organs.

Gills are generally present in aquatic animals for respiration (e.g. fish).

Lungs are present in land animals (e.g. mammals) for respiration.

Exchange of gases in plants takes place through stomata.

**6. Which of the following is not an example of response to stimulus?**

- (a) Watering in mouth when we see delicious food items.**
- (b) Closing of leaves of Mimosa plant when touched.**
- (c) Shutting our eyes when an object is suddenly thrown in our direction.**
- (d) A chick hatching out of an egg.**

**Solution:**

(d) A chick hatching out of an egg.

**7. Which of the following is correct for respiration in plants?**

- (a) Respiration takes place only during day time.**

- (b) Respiration takes place only during night.**
- (c) Respiration takes place both during day and night.**
- (d) Respiration takes place only when plants are not making food.**

**Solution:**

(c): Respiration takes place both during day and night.

The process in which organic substances are broken down to simpler products with the release of energy is termed as respiration. It takes place both during day and night.

**8. Which of the following is an incorrect statement about excretion?**

- (a) Excretion takes place in plants.**
- (b) Excretion takes place both in plants and animals.**
- (c) Excretion is the process of getting rid of excess water only.**
- (d) Secretion is one method of excretion.**

**Solution:**

(c): Excretion is the process of getting rid of excess water only.

Excretion is the elimination of waste products which include water, carbon dioxide and nitrogenous compounds in the form of urine, sweat and exhaled air.

**9. Choose the set that represents only the biotic components of a habitat.**

- (a) Tiger, Deer, Grass, Soil**
- (b) Rocks, Soil, Plants, Air**
- (c) Sand, Turtle, Crab, Rocks**
- (d) Aquatic plant, Fish, Frog, Insect**

**Solution:**

(d): Aquatic plant, Fish, Frog, Insect

Aquatic plant, fish, frog, insect are biotic components or living components of environment whereas soil, rocks, air and sand are the non-living components or abiotic components.

**10. Which one of the following is not associated with reproduction?**

- (a) A new leaf coming out of a tree branch.**
- (b) A dog giving birth to puppy.**
- (c) A seed growing into a plant.**
- (d) Chick hatching from an egg.**

**Solution:**

(a): A new leaf coming out of a tree branch.

Reproduction is a biological process by which an organism produces young ones of its own kind.

A new leaf coming out of a tree branch is vegetative growth in plants; it is not related to

reproduction.

A dog, a seed and an egg produce puppy, grow into plant and chick respectively are associated with reproduction.

**11. Choose the odd one out from below with respect to reproduction.**

- (a) Eggs of hen
- (b) Seeds of plants
- (c) Buds of potato
- (d) Roots of mango tree

**Solution:**

(d): Roots of mango tree

Roots of mango tree have no role in reproduction.

Eggs of hen and seeds of plants are products of reproduction.

Buds of potato are vegetative reproductive parts that can form new plants.

**12. Although organisms die, their kind continues to live on earth. Which characteristic of living organisms makes this possible?**

- (a) Respiration
- (b) Reproduction
- (c) Excretion
- (d) Movement

**Solution:**

(b): Reproduction

Reproduction is one of the most important characteristic of the living organisms by which their kind continues to live on earth. Reproduction is a biological process by which an organism produces young ones of its own kind.

**13. If you happen to go to a desert, what changes do you expect to observe in the urine you excrete? You would**

- (i) excrete small amount of urine
- (ii) excrete large amount of urine
- (iii) excrete concentrated urine
- (iv) excrete very dilute urine

**Which of the above would hold true?**

- (a) (i) and (iii)
- (b) (ii) and (iv)
- (c) (i) and (iv)
- (d) (i) and (ii)

**Solution:**

(a): (i) and (iii)

Excreting small amount of concentrated urine helps to conserve water in the body.  
Humans adapt to desert environment by excreting small amount of water.

**Very Short Answer Questions:**

**14. Unscramble the given words below to get the correct word using the clues given against them.**

**(a) SATPADAPOINT: Specific features or certain habits which enable a living being to live in its surroundings**

**(b) RETECOXNI: Waste products are removed by this process**

**(c) LUMISIT: All living things respond to these**

**(d) ROUCDPRENTOI: Because of this we find organisms of the same kind**

**Solution:**

Here are the correct words:

(a) ADAPTATIONS

(b) EXCRETION

(c) STIMULI

(d) REPRODUCTION

**15. Using the following words, write the habitat of each animal given in Fig. 9.1 (a to d).**

**[Grassland, Mountain, Desert, Pond, River]**



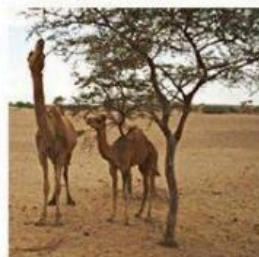
(a)



(b)



(c)



(d)

**Fig. 9.1**



**Solution:**

- (a) Deer - Grassland
- (b) Frog - It is red-eyed tree frog that lives in tropical rain forest (not in a pond).
- (c) Yak - Mountain
- (d) Camel - Desert

**16. Classify the following habitats into terrestrial and aquatic types.**

**[Grassland, Pond, Ocean, Rice field]**

**Solution:**

Terrestrial habitats – Grassland, Rice field

Aquatic habitats – Pond, Ocean

**17. Why is reproduction important for organisms?**

**Solution:**

Reproduction is very important for living organisms as it helps them to produce young ones of their own kind and maintains the continuity of their species.

**18. Fill in the blanks.**

- (a) Saline water, hot air and sand are \_\_\_\_\_ components of a habitat.
- (b) The habitat of plants and animals that live \_\_\_\_\_ in is called the aquatic habitat.
- (c) \_\_\_\_\_ enables a plant or an animal to live in its surroundings.
- (d) Plants and animals that live on land are said to live in \_\_\_\_\_ habitats.

**Solution:**

- (a) Abiotic (non-living)
- (b) Water
- (c) Adaptations
- (d) Terrestrial

**Short Answer Questions:**

**19. Paheli has a rose plant in her garden. How can she increase the number of rose plants in the garden?**

**Solution:**

Paheli can increase the number of rose plants in the garden by plant propagation method i.e., planting stem cuttings of rose plant. About 20-30 cm long pieces of one year old stems are cut and their lower ends are planted in the soil.

**20. Why do desert snakes burrow deep into the sand during the day?**

**Solution:**

Desert snakes burrow deep into the sand during the day because the deeper layers of sand are cooler, and to stay away from heat of the desert during day time.

**21. Write the adaptation in aquatic plants due to which**

**(a) Submerged leaves can bend in the flowing water.**

**(b) Leaves can float on the surface of water.**

**Solution:**

(a) Submerged leaves are long narrow and ribbon which can easily bend in flowing water and withstand water currents without getting damaged e.g., tape grass.

(b) Leaves are long, hollow and light which help the leaves to float over water surface.

**22. Mention one adaptation present in the following animals.**

**(a) In camels to keep their bodies away from the heat of sand.**

**(b) In frogs to enable them to swim.**

**(c) In dolphins and whales to breathe in air when they swim near the surface of water.**

**Solution:**

(a) Camels which have long legs help them to keep the upper part of the body away from the heat of the sand.

(b) Frogs which have webbed feet enables frog to swim in water.

(c) Dolphins and whales which have blow holes help them to breathe in air when they arise to the surface of water.

**23. Some desert plants have very small leaves whereas some others have only spines.**

**How does this benefit the plants?**

**Solution:**

Desert plants have good adaptability to conditions like water scarcity hence they tend to conserve water. Small leaves and spiny plants are modifications of leaves which help the surface of leaf lamina, in preventing water loss during transpiration.

**24. What are the specific features present in a deer that helps it to detect the presence of predators like lion?****Solution:**

Specific features present in deer that help them to detect the presence of predators like lion are:

(i) Deer's have long ears which help to hear and recognize the movement of predators.

(ii) Eyes on the sides of its head which allow it to look in all directions.

**25. Read the features of plants given below.**

- (a) Thick waxy stem
- (b) Short roots
- (c) Cone shaped plants
- (d) Sloping branches
- (e) Small or spine-like leaves
- (f) Hollow stem

**Choose the type of plant for every feature given in a, b, c, d, e and f from the list given below.**

**Aquatic plant, Desert plant, Mountainous plant**

**Solution:**

- (a) Thick waxy stem - Desert plant
- (b) Short roots - Aquatic plant
- (c) Cone shaped plants - Mountainous plant
- (d) Sloping branches - Mountainous plant
- (e) Small or spine-like leaves - Desert plant
- (f) Hollow stem - Aquatic plant

**Long Answer Questions:**

**26. Like many animals although a car also moves still it is not considered as a living organism. Give 2-3 reasons.**

**Solution:**

Car is not considered as a living organism because of the following reasons:

- Car is not made up of cells. All living organisms are made up of cells. Cell is the smallest unit of living organism which is an important part of life.
- Car does not show response to stimuli. Living organisms have the ability to sense their surroundings and respond to environmental stimuli such as, light, temperature, pollutants, water etc.
- Car does not show irreversible and permanent growth. Growth is an increase in the size of organisms. In living organisms growth is permanent and irreversible.

**27. What are the adaptive features of a lion that help it in hunting?**

**Solution:**

Adaptive features of a lion that help it in hunting are as follows:

- It has strong paws, sharp teeth and long claws which helps it to catch and kill the prey.
- Lion has brown body colour which helps it to hide itself in the dry grassland for avoiding detection by its prey.

- Lion has its eyes placed in front which allows it to know the exact location and movements of its prey.

## CLASS – VI (MATHS)

Holiday Homework (WINTER Break) Date – 21 Dec. 2022 to 09 Jan. 2023

**LG: Write rupees paise in decimal form in order to know the meaning and relevance of dot point.**

1. Which is the correct way to represent the amount “8 rupees and 3 paise”?

Option 1: 3.08

Option 2: 3.80

Option 3: 8.03

Option 4: 8.30

**LG: Represent number in its unit and tenth part in order to write it in decimal form.**

2. Akash measured the length of his comic book as 25 cm 5 mm. What will be the length of the book, in cm?

Option 1: 25.0 cm

Option 2: 25.05 cm

Option 3: 25.5 cm

Option 4: 25.55 cm

**LG: Compare the units and parts of the decimal numbers in order to compare them as a whole.**

3. Which of the following decimal numbers is the smallest?

Option 1: 25.81







Option 2: 25.18


Option 3: 25.87

Option 4: 25.78

**LG: Observe and understand pictograph representation of data in order to answer the question on data at a glance**

4. The given pictograph shows the number of books sold at a bookshop over a week.

Days	Number of Books Sold
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	

 = 1 book sold

On which day, the minimum number of books were sold?

Option 1: Saturday

Option 2: Tuesday





Option 3: Monday


Option 4: Wednesday

**LG: Analyse pictograph in order to reason the information presented**

5. The pictograph shows the number of bouquets sold by a flower shop in the past 4 days.



Day	Number of Bouquets
Monday	
Tuesday	
Wednesday	
Thursday	

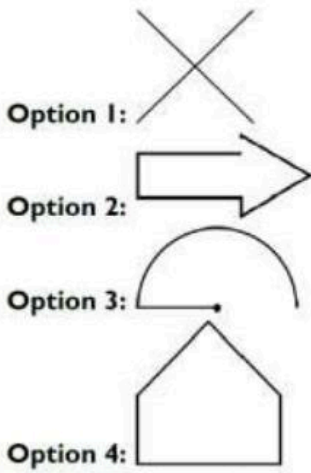
 = 3 bouquets

What is the difference between the greatest number of bouquets sold and the least number of bouquets sold?

- Option 1: 5
- Option 2: 9
- Option 3: 15
- Option 4: 33

**LG: Give example(s) in order to define perimeter of closed figures.**

6. Jatin is finding the perimeter of a figure. Which of these could be the figure?



7. In which of these situations will perimeter be calculated?

- Option 1: Length of lace border needed to put around a rectangular table cover.
- Option 2: Length of rope required to fence three sides of a rectangular backyard.
- Option 3: Amount of water needed to fill a container.
- Option 4: Amount of paint required to paint a wall.

**LG: Deduce and apply the formula to determine the perimeter of a square.**

8. Arjun wants to fence his square backyard of side length 11 m using rope. He makes 3 complete rounds using the rope to fence. What is the total length of rope used?

- Option 1: 44 m
- Option 2: 66 m
- Option 3: 132 m
- Option 4: 363 m

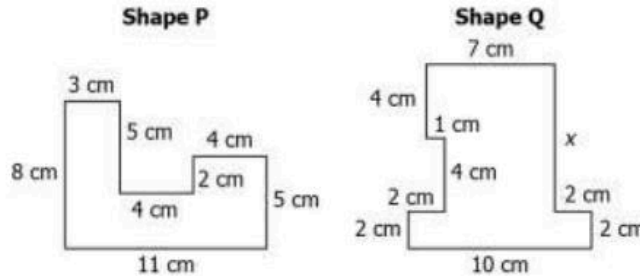
**LG: Deduce and generalize the formula to determine the perimeter of a regular polygon**

9. A wire of length 56 cm is made into the shape of a heptagon. What is the side length of the heptagon?

- Option 1: 7 cm
- Option 2: 8 cm
- Option 3: 14 cm
- Option 4: 49 cm

**LG: Give examples in order to defend that different shapes can have the same perimeter**

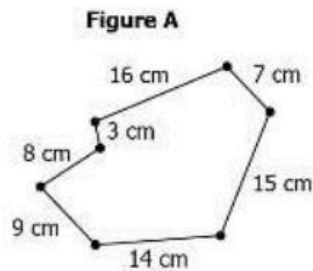
10. Consider two shapes shown.



Given that the perimeter of the two shapes is equal, what is the value of  $x$ ?

- Option 1: 5
- Option 2: 8
- Option 3: 10
- Option 4: 16

11. Consider a figure below.



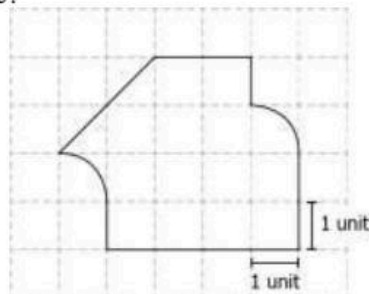
Which of these has the same perimeter as figure A?

- Option 1: A rectangle of length 12 cm and breadth 6 cm.
- Option 2: An equilateral triangle of side length 24 cm.
- Option 3: A regular pentagon of side length 9 cm.
- Option 4: A square of side length 36 cm.

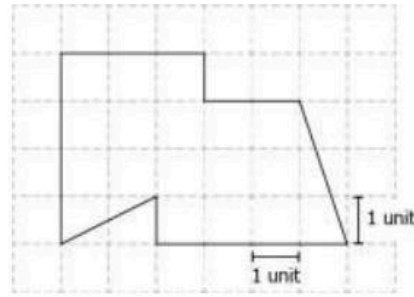
**LG: Count the squares in order to estimate the area of the given closed curve in the squares grid sheet**

12. What is the area of the following figure?

- Option 1: 13 square units
- Option 2: 15 square units
- Option 3: 16 square units
- Option 4: 17 square units



13. A farmer needs to buy seeds for a piece of agricultural land represented on a rectangular grid as shown below.



He requires 4 bags of seeds for each square unit. What is the total number of bags required for the land?

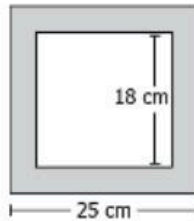
- Option 1: 18.5
- Option 2: 22.5
- Option 3: 74
- Option 4: 78

**LG: Deduce and apply the formula in order to determine the area of a square.**

14. Observe the figure below:

What is the area of the shaded region?

- Option 1: 14 cm<sup>2</sup>
- Option 2: 28 cm<sup>2</sup>
- Option 3: 301 cm<sup>2</sup>
- Option 4: 949 cm<sup>2</sup>



**LG: Examine patterns in order to identify relationship in patterns**

15. What is the general rule for the given pattern?



- Option 1:  $m$
- Option 2:  $m + 1$
- Option 3:  $m + 2$
- Option 4:  $m + 3$

**LG: Represent two quantities in same unit in order to compare them.**

16. If Rahul walks 9km in a week and Vansh walks 900 m daily, which of these is true about the distances they cover in a week?

- Option 1: Vansh walks 7.2 km more than Rahul.
  - Option 2: Vansh walks 2 km more than Rahul.
  - Option 3: Rahul and Vansh both cover the same distance.
  - Option 4: Rahul walks 2.7 km more than Vansh.
- Correct Answer: Option 4

17. Rajat bought 750g of onions and 1.5 kg of tomatoes. Which option correctly compares the quantities of vegetables Rajat bought?

- Option 1: Tomatoes were twice the quantity of onions
- Option 2: There was equal quantity of tomatoes and onions
- Option 3: Onions were twice the quantity of tomatoes
- Option 4: Tomatoes were three times the quantity of onions

18. Abhishek had ₹ 7.45. He bought toffees for ₹ 5.30. Find the balance amount left with Abhishek.

Option 1: ₹ 7.45

Option 2: ₹ 12.75

Option 3: ₹ 3.45

Option 4: ₹ 2.15

19. The perimeter of a regular hexagon is 18 cm. How long is its one side?

Option 1: 5 cm

Option 2: 6 cm

Option 3: 3 cm

Option 4: 3.5 cm

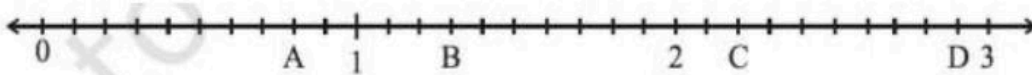
20. There are 102 teachers in a school of 3300 students. Find the ratio of the number of teachers to the number of students.

### **WORD PROBLEMS:-**

1. Write the following numbers in the place value table : (a) 20.5 (b) 4.2

2. Write each of the following as decimals : (a) Two ones and five-tenths (b) Thirty and one-tenth

3. Write the decimal number represented by the points A, B, C, D on the given number line.



4. Write each of the following as a decimal.

(a) Three hundred six and seven-hundredths

(b) Eleven point two three five

(c) Nine and Twenty five thousandths

5. Which is greater?

(a) 5.64 or 5.603 (b) 0.07 or 0.02 (c) 3.3 or 3.300 (d) 0.5 or 0.05 (e) 1.23 or 1.2 (f) 0.099 or 0.19 (g) 1.5 or 1.50 (h) 1.431 or 1.490

6. (i) How will you write 2kg 9g in 'kg' using decimals?

(ii) How will you write 7cm 5 mm in 'cm' using decimals?

7. Samson travelled 5 km 52 m by bus, 2 km 265 m by car and the rest 1km 30 m he walked. How much distance did he travel in all?

8. Rahul bought 4 kg 90 g of apples, 2 kg 60 g of grapes and 5 kg 300 g of mangoes. Find the total weight of all the fruits he bought.

9. A cupboard has five compartments. In each compartment a row of books is arranged.

The details are indicated in the adjoining table :

Rows	Number of books	- 1 Book
Row 1		
Row 2		
Row 3		
Row 4		
Row 5		

- (i) Which row has the greatest number of books?
- (ii) Which row has the least number of books?
- (iii) Is there any row which does not have books?

10. Following is the choice of sweets of 30 students of Class VI.

Ladoo, Barfi, Ladoo, Jalebi, Ladoo, Rasgulla, Jalebi, Ladoo, Barfi, Rasgulla, Ladoo, Jalebi, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi, Ladoo, Rasgulla, Ladoo, Ladoo, Barfi, Rasgulla, Rasgulla, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi, Ladoo.

- (a) Arrange the names of sweets in a table using tally marks.
- (b) Which sweet is preferred by most of the students?

11. In January Seema saves 542.90 Rs. In February she saves 209.87 Rs. in march she saves 103 Rs. What is the total amount she saves in January, February and March?

12. Rahul pays 4550.3 Rs as rent per month. Vivek pays 6800 Rs as rent per month. how much more does Vivek pay each month.

13. Pinky runs around a square field of side 75 m, Bob runs around a rectangular field with length 160 m and breadth 105 m. Who covers more distance and by how much?

14. Find the area of a square plot of side 8 m.

15. Cadets are marching in a parade. There are 5 cadets in a row. What is the rule which gives the number of cadets, given the number of rows? (Use  $n$  for the number of rows.)

16. If there are 50 mangoes in a box, how will you write the total number of mangoes in terms of the number of boxes? (Use  $b$  for the number of boxes.)

17. The teacher distributes 5 pencils per student. Can you tell how many pencils are needed, given the number of students? (Use  $s$  for the number of students.)

18. (i) Find the ratio of number of notebooks to the number of books in your bag.

(ii) Find the ratio of number of desks and chairs in your classroom.

19. There are 20 girls and 15 boys in a class.

(a) What is the ratio of number of girls to the number of boys?

(b) What is the ratio of number of girls to the total number of students in the class?

20. Out of 30 students in a class, 6 like football, 12 like cricket and remaining like tennis. Find the ratio of

(a) Number of students liking football to number of students liking tennis.

(b) Number of students liking cricket to total number of students.



# शीतकालीन अवकाश गृहकार्य

## कक्षा - 6 (हिंदी)

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प्रश्न 1. निम्नलिखित विषय पर निबंध लिखिए :-

1. जीवन में त्योहारों का महत्व।
2. समय का सदुपयोग

प्रश्न 2. निम्नलिखित विषय पर पत्र लिखिए :-

1. छोटे भाई को सदाचार के बारे में बताते हुए पत्र लिखें।
2. 3 दिन के अवकाश के लिए प्राचार्य/प्राचार्य को एक आवेदन पत्र लिखो।

प्रश्न 3. संसार पुस्तक है पाठ का प्रश्न संख्या 5, 6, और में सबसे छोटी होऊँ पाठ के प्रश्नोत्तरों को लिखिए।

प्रश्न 4. पर्यायवाची शब्द लिखो 10

(प्रत्येक शब्द के कम से कम तीन तीन शब्द)

प्रश्न 5. पठित पाठ्यक्रम को पूर्ण करें एवम् पुनरावृत्ति करें।

प्रश्न 6. आप की छुट्टियां कैसे बीती?' विषय पर अपने अनुभव को एक अनुच्छेद के रूप में लिखिए।