

Modernage Public School & College, Abbottabad
Homework for Winter Break Class Six
Session 2025 – 26

Dear Parents/Guardians

Finally, Winter is here, signaling the end of the Academic session 2024 and start of a winter break.

We take great pleasure in announcing the successful culmination of the academic session 2024. Observing the continuous development and advancement of your child has been a source of immense satisfaction. To foster ongoing engagement with education during the holiday period, we are providing a comprehensive work pack comprising a multitude of enjoyable tasks and intellectually stimulating activities. Thank you for being an integral partner in your child's education. We eagerly anticipate another year of mutual growth and learning.

Dear Modernites!

Reflect on the achievements and lessons learned during the previous academic session. Complete the assigned exercises in your respective subjects, embracing the knowledge gained. Take a moment to chill and recharge during this winter break. Use the new year as a fresh start for academic goals and personal growth. Ensure neatness and organization in your work. We hope that you have cheerful and safe Winter vacation with your families.

The school will remain closed for winter vacation from **Sat, 21st December, 2024 till Sun 02nd March, 2025** and reopen on **Mon 03rd March, 2025 In Sha Allah.**

Submit the completed assignment till 10th March 2025.

Looking forward to your cooperation. A copy of this homework is also available at the official webpage www.maps.edu.pk, the portal and app of Modernage.

Best Regards

Academic Coordinator

Happy New Year.

Note: Certificates will be awarded for extra ordinary efforts and complete homework. Each task carries 10 marks. Please use loose sheets for your assignments.

1. Winter Vacation Advertisement (Creative Task)

Instructions:

Create a **magazine advertisement** or **poster** for a winter vacation destination in Pakistan, like Murree, Naran, or Hunza. Your advertisement should include:

- i. A catchy title or slogan.
- ii. A description of the destination (what makes it special for winter vacations).
- iii. Fun activities to do there during winter (e.g., skiing, building snowmen, or having bonfires).
- iv. Attractive pictures or drawings to make your advertisement eye-catching.
- v. Information on why people should visit during the winter.

Make sure your advertisement is colourful and creative!

2. Winter Words Challenge (Vocabulary Development)

Instructions:

Winter brings many unique words and expressions. For this task, you will create a **Winter Vocabulary List**. You need to find and define **10 new words** related to winter.

After creating your list:

- i. Write **one sentence** for each word.
- ii. For one word, **draw a picture** or **make a simple diagram** to explain the meaning.
- iii. Bonus: Find a **Pakistani winter-related word** (like the name of a specific food or clothing item worn in winter) and explain it in English.

3. Winter-themed Poem Writing (Poetry Exercise)

Instructions:

Write a **short poem** (4-6 lines) about **winter**. Use descriptive language to convey the beauty or challenges of the winter season. Try to capture the essence of winter in Pakistan – the chilly air, snow-capped mountains, or the warmth of a family gathering around the heater. You may also focus on the feelings you associate with winter. The best poem will be published in Modernites.

- i. Try using **rhyme** or **alliteration** to make your poem sound musical.
- ii. Example themes: "The Snowy Mountains," "Winter Nights in Pakistan," "The Beauty of Snow," "Winter Festivals," etc.

Example: Snowflakes dance upon the ground,
Covering hills, so soft, unbound.
In the warmth, we gather near,
Sipping chai and shedding fear.

4. Winter Debate (Critical Thinking & Discussion)

Instructions:

Winter vacations can mean different things to different people. For this task, you will write a **short debate** (100-150 words) on the following topic:

“Should winter vacations be spent in the cold, snowy mountains, or should we enjoy them at home with family and friends?”

- i. Take a **side**: Argue why one choice is better than the other.
- ii. **Provide reasons** to support your argument (e.g., snow activities like skiing vs. family bonding at home).
- iii. You can also briefly mention **what both sides offer** but end by strongly supporting one side with your reasoning.

This will allow you to practice persuasive writing and critical thinking.

5. Winter Vacation Grammar Adventure (Grammar Concepts)

Instructions:

Imagine you went on a winter vacation with your family to a beautiful snowy place in northern Pakistan. In

this task, you will need to use various grammar concepts correctly while describing your vacation. Follow the steps below:

a) Complete the Sentences with the Correct Form of the Verb:

Fill in the blanks with the correct form of the verb in either the **past simple**, **present continuous**, or **future tense**.

1. Last winter, my family and I _____ (decide) to go to Hunza.
2. Right now, I _____ (look) out of the window and I can see the snow falling gently.
3. We _____ (have) an amazing time there last year.
4. In a few days, we _____ (visit) the northern areas again to enjoy the snow.
5. My little brother _____ (build) a snowman as I write this.

b) Rewrite the Sentences Using Adjectives or Adverbs:

In the following sentences, add adjectives or adverbs to make them more descriptive. Make sure your choices fit the winter vacation theme.

1. The snow was _____.
2. We played _____ in the snow, building snowmen.
3. The hot chocolate tasted _____ after a long day in the cold.
4. The view from the mountain was _____.

c. Combine Sentences Using Conjunctions (For, And, But, Or, So):

Combine the following sentences using appropriate conjunctions to create more complex sentences.

1. It was snowing heavily. We decided to stay inside.
2. We had hot tea. My brother had hot chocolate.
3. The mountains were covered in snow. The weather was very cold.
4. We went for a walk in the snow. We enjoyed the fresh air.

d. Identify and Correct the Mistakes (Grammar Check):

The following sentences contain grammatical errors. Find and correct them.

1. I am visit my cousins in the hills during the winter vacation.
2. We seen a snow leopard in the mountains when we went hiking.
3. The cold weather makes me to stay inside all day.
4. The snow was very heavy, and it did not stop to fall for hours.

e) Modals of Advice and Obligation:

Use the correct **modal verbs** (should, ought to, must, have to) to complete the sentences based on winter vacation activities.

1. You _____ (wear) warm clothes if you're going skiing in the mountains.
2. We _____ (bring) extra blankets to stay warm at night.
3. You _____ (not) forget to pack gloves and a hat for the cold weather.
4. I _____ (suggest) we take a trip to Murree if the snow gets heavier.

f) Direct and Indirect Speech (Reported Speech):

Below are some direct quotes. Convert them into **indirect (reported) speech**. Pay attention to tense changes.

1. "I am building a snowman." she said.
2. "We will go to Naran tomorrow." my parents told me.
3. "The snow is very thick." he remarked.
4. "You should visit the hill station soon." my friend advised me.

g. Sentence Structure Challenge – Combine the Sentences: Combine the following pairs of sentences into one **complex sentence** using appropriate **subordinating conjunctions** (because, although, since, if, when, while, etc.).

1. It was snowing heavily. We decided to stay indoors.
2. I went to the market. I bought some woolen clothes.
3. We enjoyed the bonfire. It was cold outside.
4. The roads were closed. We stayed at a nearby guesthouse.

Q1. If $U = \{0,1,2,3,4,5,6,7,8,9\}$

A = $\{0,2,4,6,8\}$

B = $\{1,3,5,7,9\}$

C = $\{1,4,9\}$

D = $\{3,6,9\}$

Find:

i. $A \cup B$

ii. $B \cap A$

iii. $B \cup D$

iv. $C \cap D$

v. A'

vi. B'

vii. C'

viii. D'

ix. $B \setminus D$

x. $A \setminus C$

Q2.i. A man earns Rs 2400 a month and spends Rs 2100. Find the ratio of:

a. His income to his expenditure

c. his income to his savings

b. His expenditure to his savings

ii. Simplify:

a. $\frac{2}{5} + \frac{7}{5}$

b. $\frac{5}{6} - \frac{1}{3}$

c. $\frac{3}{5} + \frac{7}{8}$

d. $\frac{11}{13} + \frac{5}{26}$

iii. Express the following fractions as decimals by division:

a. $\frac{2}{5}$

b. $\frac{17}{25}$

c. $\frac{18}{125}$

d. $\frac{3}{250}$

e. $\frac{8}{15}$

f. $\frac{3}{7}$

g. $2\frac{3}{7}$

h. $10\frac{8}{11}$

iv. Complete the table of square numbers.

(Hint: Square numbers are the result of multiplying a number by itself)

Number	Square ($n \times n$)	Answer
5	$5 \times 5 = 5^2$	25
7		
19		
45		
32		
78		
98		
24		
56		
34		
63		

Q3.i. Add:

a. $2a + 3b, 4a + 7b$

c. $3a + 6b, a - 7b$

b. $-3x - 5y + 2z, 7x + 8y - z$

d. $4xy - 8, xy + 6$

ii. Subtract:

a. $a - b + c$ from $2a + b - c$

b. $3a - 2b - 4c$ from $2a + 3b + c$

c. $3m + 6n$ from $2m - n$

d. $x - 2y + z$ from $-3x + 4y - 7z$

iii. Solve the following simple equations:

a. $2x + 5 = 19$

b. $-7x + 2 = 23 + 17$

c. $3(6 - 2x) + 4(5x - 1) = 0$

d. $3(x - 5) = -2(4 - x)$

Q4. Construct the following angles using pair of compasses. Also write steps of constructions.

a. 60°

b. 90°

c. 45°

d. 75°

e. 105°

f. 120°

Mathematics Challenge Problems

Q5.i. Ali attended a soccer camp where he spent 1 hour and 15 minutes practicing defense and 1 hour shooting. The camp ended at 11:30 A.M.

What time did the camp start?

a) 9:15 A.M

b) 9:30 A.M

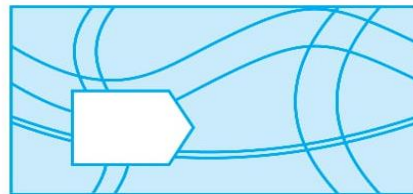
c) 9:45 A.M

d) 10:00 A.M

ii. Which is the largest number in the picture?

$\frac{1}{16}$				
$\frac{1}{8}$	$\frac{4}{16}$			
$\frac{1}{4}$	$\frac{3}{8}$	$\frac{6}{16}$		
$\frac{1}{2}$	$\frac{2}{4}$	$\frac{3}{8}$	$\frac{4}{16}$	
1	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{16}$

iii. Find the missing part.



a)



b)

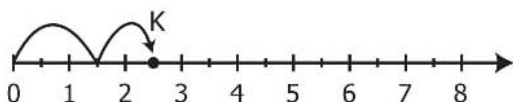


c)

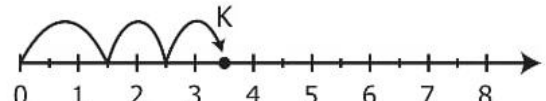


d)

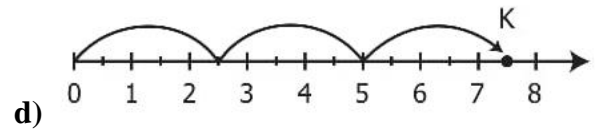
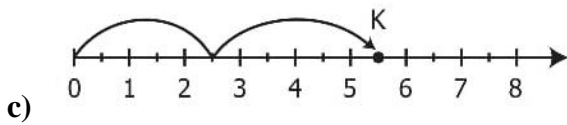
iv. Ibrahim went running 3 times this week. Each time, he ran 2.5 miles. Which number line has point K graphed so that it best represents the total distance Ibrahim ran, in miles?



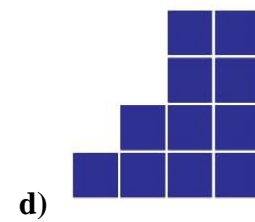
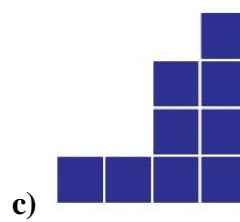
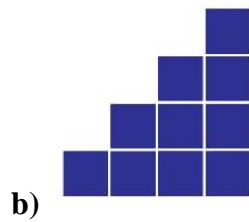
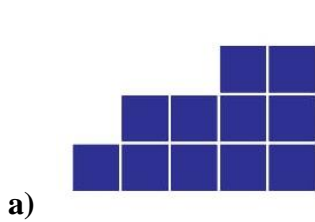
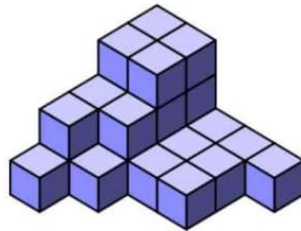
a)



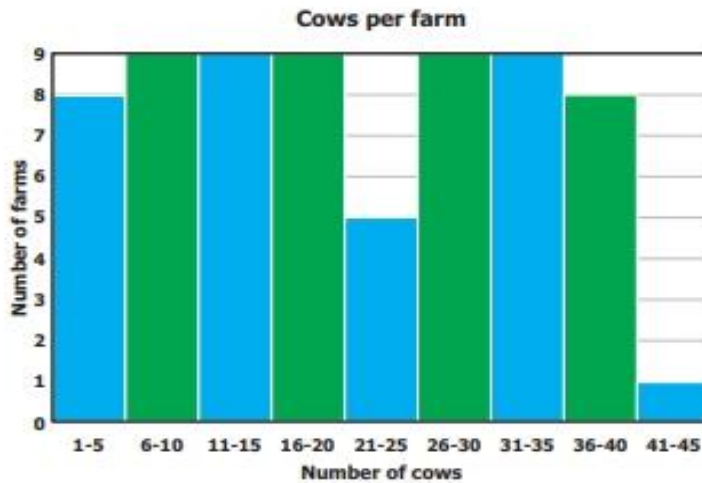
b)



v. If you look at this object from the side, what will you see?



vi. A researcher recorded the number of cows on each farm in the country.



Which range of cows per farm is the second least common?

- a) 11-15 cows b) 21-25 cows c) 26-30 cows d) 41-45 cows

vii. The Egyptians used a numeral system based on the number ten and was written using hieroglyphs (Sacred carvings) as follows:

Staff	Hellbone	Scroll	Flower	Finger	Fish	Man
1	10	100	1,000	10,000	100,000	1,000,000

What number do the following Egyptian hieroglyphs represent?



- a) 32,018 b) 32,108 c) 32,180 d) 31,208

viii. At 2:00 AM the temperature was -19 degrees Celsius, at 8:00 PM the temperature was -20 degrees Celsius and at 10:00 PM the temperature was -22 degrees Celsius. When was it warmest?

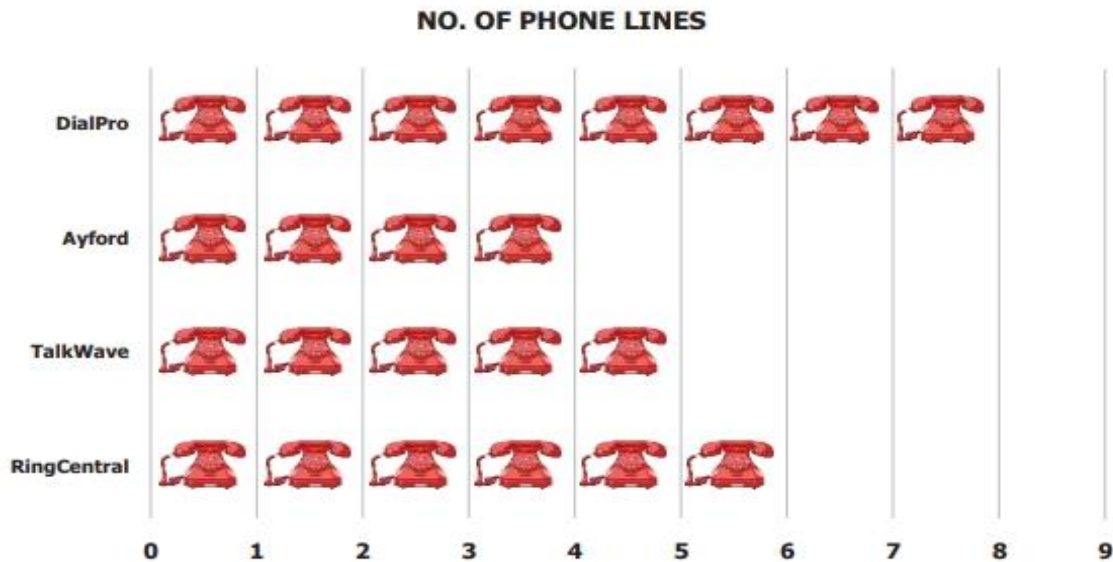
- a) 2:00 AM b) 8:00 PM c) 10:00 PM d) None of these

ix. Which is a better estimate for the distance of a ten-minute walk?

- a) 1 kilometer b) 1 centimeter c) 10 centimeters d) 10 kilometers



x. One  represents 28 phone lines. How many more phone lines does the DialPro call centre have in comparison to the Ayford call centre?



- a) 112 b) 140 c) 224 d) 144

Q1. Answer the following questions.

1. Make a labeled diagram of the human digestive system.
2. Why are we no longer using bicycles to go to another state?
3. Name 5 transparent, opaque, and translucent objects around you.
4. Ahmed was having difficulty in seeing things clearly in dim light. The doctor tested his eyesight and prescribed a particular vitamin supplement.
 - (i) Which deficiency disease he is suffering from?
 - (ii) Which food component he is lacking from his diet?
 - (iii) Suggest some food items that he should include in his diet.
5. Why can objects be of different colours?

Q2. Picture based questions.

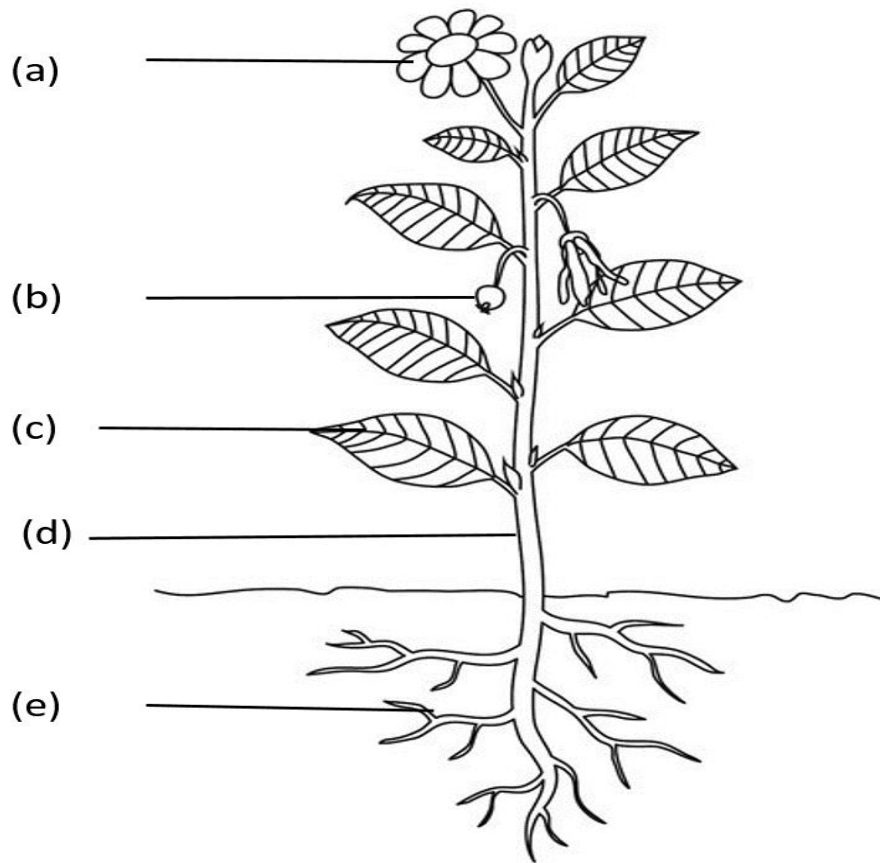
1. Look at the following pictures and identify the product obtained from it.



Q3. Myths and stories have played an important part through down the generations. What famous myth you have heard which according to you might be correct and why?

Q4. Make any fermented product at home for your family members like curd, cheese, pickles of any kind. Make notes on how you have made that product. What is the importance of fermentation? Make a list of reviews you got from the family members after they gave tasted it.

Q5. Label the following diagram.



Q1. Develop your own animation using Scratch.

- i. Add a crab as your sprite.
- ii. Add a background that looks like an ocean.
- iii. Move your crab sprite left and right and bounce if touches the edge.
- iv. Change the crab costumes so that he seems like walking.
- v. Add an ocean wave sound to the animation.

Note: Take print and keep it in your homework folder

Q2. Create a PowerPoint presentation about the proper usage of computer devices. Describe the best ways to protect your ICT devices from damage, starting and shutting down a computer.

Note: Take print and keep it in your homework folder

Q3. Discuss about the pros and cons of social media.

Q4. Explain the concept of file and folder on a computer.

Q5. Discuss the significance of cyber security and ways to stay safe online

Subject: Geography

Note: For tasks completion you can take reference from book, and internet. Do some research and collect new information.

Q1. Make a model of layered structure of Earth, showing its layers Core, Mantle, Crust (for reference see unit 1).

Q2. Research about diverse Forests of Pakistan, add some informative points along with the pictures as well. (See Unit 4 for reference)

Q3. Write about natural disasters, interview or research about a survivor or witness of October 2005 earthquakes ask them about the difficulties they faced during the time. (See Unit 5 for reference)

Q4. Recycle any discarded item at home into a new useful thing you can use a container, fabric, box, bottle or anything of your liking.





Q4. Paste a picture of each rocks in the required column and write its process of formation. Igneous Rock, Sedimentary Rocks, Metamorphic Rocks.

Igneous Rock	Sedimentary Rocks	Metamorphic Rocks

Q5. Search out different landforms and complete the given worksheet.

Landform Chart

Identify the landforms and write their names and definitions.

Landform	Name	Definition
		
		
		
		

Subject: History

Note: For tasks completion you can take reference from book, and internet. Do some research and collect new information.

Q1. Make a booklet about the Indus Valley civilization. Collect some pictures and write some facts about it. (for reference see unit 2)

Q1. Draw and fill a pyramid with the classification of the social hierarchical system of ancient Egypt. (For reference see Unit # 1)



Q2. Research and write how our Prophet (SAW) changed the society of Arabia. What qualities made him a great leader. (For reference see Unit # 5)

Q3. Write about the code of Hammurabi.(for reference see chapter 1)



Q4. Compare and contrast the civilizations of Greek and Rome. (For reference see Unit # 3)

Greek civilization	Persian civilization

Q5. Collect information about Emperor Ashoka and make a mini-project file containing pictures along with information. (For reference see Unit # 4)

1- (مضمون)

"سردیوں کا موسم"

سردیوں کا موسم کب آتا ہے؟

اس موسم میں آپ کیا کرتے ہیں؟

سردی کے فوائد اور نقصانات کیا ہیں؟

2- (تخلیقی اظہار)

(سردیوں کی ڈائری) ایک دن کی ڈائری لکھے۔

آج صبح جب میں نے آنکھیں کھولیں، باہر برف باری ہو رہی تھی۔ میں نے گرم کپڑے پہنے اور باہر گیا۔ درختوں کی ٹہنیاں برف سے ڈھکی ہوئی تھیں، اور میں نے اپنے دوست کے ساتھ برف میں کھیلنا شروع کیا۔

3- الف۔ جملوں کو مختلف زمانوں میں تبدیل کریں۔

نیچے دیے گئے جملوں کو مختلف زمانوں (حال، ماضی، اور مستقبل) میں تبدیل کریں اور ان کو منفی صورت میں بھی لکھیں۔ ہدایت

"مثال: "وہ اسکول جاتا ہے۔"

حال: وہ اسکول جاتا ہے

ماضی: وہ اسکول گیا تھا

مستقبل: وہ اسکول جائے گا

منفی (حال): وہ اسکول نہیں جاتا

اب ان جملوں کو مختلف زمانوں میں تبدیل کریں

وہ کتاب پڑھتا ہے۔

میں بازار جا رہا ہوں۔

وہ دوست سے بات کرتا ہے۔

ب۔ اجزاء جملہ - الفاظ کی تلاش

نیچے دیے گئے جملوں میں سے ہر لفظ کی قسم (اسم، فعل، صفات وغیرہ) نکال کر لکھیں۔

مثال: "ہو ایس سردی بڑھ رہی ہے"

اسم: سردی

فعل: بڑھ رہی

صفت:

اب ان جملوں میں اجزاء نکالیں۔

وہ دریا کے کنارے کھیل رہے ہیں۔

تم نے خوبصورتی سے تصویر بنائی ہے۔

وہ ایک اچھا طالب علم ہے۔

4- الف۔ لفظی نقشہ بنائیں

نیچے دیے گئے الفاظ کا لفظی نقشہ بنائیں۔ لفظ کو بیچ میں لکھیں اور اس کے ارد گرد مترادفات، مخالف الفاظ اور متعلقہ خیالات کو جوڑ کر دکھائیں۔ آپ ہر لفظ کے ارد گرد بلبے بنا سکتے ہیں۔

مثال:

لفظ "محبت"

مترادفات: پیار، الفت

مخالف: نفرت

متعلقہ خیالات: خاندان، دوست

اب ان الفاظ کا لفظی نقشہ بنائیں

خوبصورتی

سکون

علم

دوستی

ب۔ تخلیقی الفاظ کا ذخیرہ

اپنے اردو نصاب یا کسی کتاب سے 5 نئے الفاظ منتخب کریں۔ ان کے معانی لکھیں، ان کا استعمال جملوں میں کریں، اور ہر لفظ سے متعلق ایک تخلیقی ڈرائنگ بنائیں۔

5- میری سردیوں کی نظم

ہدایت: سردیوں کے موسم پر 4-6 مصرعوں کا ایک مختصر نظم لکھیں۔ کوشش کریں کہ آپ برف، سردی، گرمی، اور سردیوں میں پسندیدہ سرگرمیوں کے بارے میں تخلیقی انداز میں لکھیں۔

6- پاکستان کے مشہور سردی کے پکوان

پاکستان کے مشہور سردی کے پکوانوں کے بارے میں تحقیق کریں یا یاد کریں (مثال: "گاجر کا حلہ"، "سوجی کا حلہ"، "چائے")۔ اپنے پسندیدہ سردی کے پکوان پر ایک چھوٹا پیرا گراف لکھیں۔ اس میں بیان کریں کہ یہ کس طرح بنایا جاتا ہے اور آپ کو کیوں پسند ہے۔

7- اسم مصدر، مشتق، جامد اور اسم کبر اسم مصغر، اسم صوت اسم آلہ کی تعریف کریں اور مثالوں سے وضاحت کریں۔

8- تشبیہ اور استعارہ کی تعریف لکھیں اور پانچ پانچ مثالیں دیں۔ نیز تشبیہ اور استعارہ میں فرق واضح کریں۔

- سوال نمبر 1۔ عشرہ مبشرہ سے کیا مراد ہے؟ نام لکھیں۔
- سوال نمبر 2۔ عقیدہ ختم نبوت سے کیا مراد ہے؟ قرآن کی روشنی میں تحریر کریں؟
- سوال نمبر 3۔ اسلام میں علم کی کیا اہمیت ہے تفصیل سے لکھیں۔
- سوال نمبر 4۔ سورہ الفیل اور سورہ النصر کا ترجمہ لکھیں۔ اور یاد کریں۔
- سوال نمبر 5۔ اللہ کی راہ میں پہنچنے والی تکلیفوں پر آپ ﷺ اور صحابہ کرام کا کیا رویہ ہوتا تھا۔ کوئی پانچ باتیں لکھیں۔