

Modernage Public School & College, Abbottabad
Homework for Winter Break Class 8
Session 2024 – 25

Dear Parents/Guardians

Finally, Winter is here, signaling the end of the Academic session 2023 and start of a winter break. We take great pleasure in announcing the successful culmination of the academic session 2023. 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 **Sun, 24th December, 2023 till Sun 03rd March, 2024** and reopen on **Mon 04th March, 2024 In Sha Allah.**

Submit the completed assignment till 10th March 2024.

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. Please use loose sheets for your assignments.

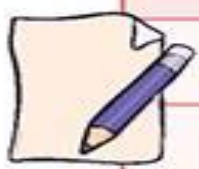
Note for the Students:

1. Read at least 2 story books of English and Urdu to enhance the reading skills and write the central idea and review of them. Write at least 50 new words from the story books that you have read.
2. Recite any poem with action from your book, make a video and share with your teacher.
4. Take a few pictures from newspapers or magazines about economic instability. Cut and paste those pictures on blank sheets. Write suggestions about what will be your contribution towards resolving those issues.
5. Improve your listening, speaking, reading and writing skills by practicing the worksheets with related audio. Use the provided link for practice <https://learnenglish.britishcouncil.org/skills>.

Q1: Imagine yourself in a strange valley where you went after being lost in a jungle. Write a dairy entry with the words describing your experience in that valley. (5)

Diary entries checklist

Have you included all these features in your diary entry?



Feature	Tick each box
The date	
"Dear Diary"	
The first person	
The past tense	
A description of events in the order they happened	
Adverbs, conjunctions and prepositions to make the order of events clear	
Explanation of your feelings, thoughts and opinions	
Detailed descriptions	
Informal, chatty language	



Q2: Write a poem of your own on the winter season. You may use the words given below (5)

Sun, winter, sunrays, sea, hill station, holidays, picnic, oranges, family, games, garden, leaves, autumn etc...



Q3: Write a biography of your mother interview her & write the answer that you receive. Ask questions like: (5)

- a) Her name & the meaning of her name?
- b) Where did she grow up?
- c) Name of the school she studied in?
- d) Her favorite subject & reason?
- e) Any memorable incident of her childhood?
- f) How did she spend her leisure time?

Any other interesting details. Make your project creative and interesting. Use A-4 size sheets. Name the folder name "biography of my mother" and decorate it. (5)

Q4: Read the newspaper daily. Make your own personal dictionary. Write ten new words with meanings and their usage in your sentences for 15 days. Mention the name of the newspaper. Your dictionary should have 150 words (at least). (5)

Q5: Enjoy reading books by renowned authors during winter break. Write a book review of anyone of the book you read and you liked. (5)

Your book review should include the following:

- a) Description of your favorite character.
- b) State four reasons why you liked the book
- c) Rewrite the story with the different ending

Q6: Collect at least five newspaper articles. Identify the tense and highlight different part of speech.

(05)

Q7: Identify the types of clauses:

TYPES OF CLAUSES

1. INDEPENDENT CLAUSES

Clauses that are not influenced by any other sentences. That is they can present independently satisfying the basic clause condition.

Example: I play in the dockyard

2. DEPENDENT CLAUSES

Dependent clauses can't be functional alone for the sentence completion meaningfully.

Example: I guessed that she couldn't pass

3. ADJECTIVE CLAUSES

Adjective clause is actually a general adjective in a sentence with both subject and predicate.

Example: Elena owns the book that has a blue colored envelope.

4. NOUN CLAUSES

As the name suggests, sentence comprising of a noun which can be either the subject or predicate.

Example: What you've said is completely right.

5. ADVERBIAL CLAUSES

The adverbial clause is a typical adverb present in a sentence satisfying the clause condition accordingly.

Example: Stay in the waiting hall till I return.

- a) While flower continue to bloom
- b) While you come to visit
- c) Since I don't have enough money
- d) Whatever makes you happy that will be my priority
- e) I am glad that you are listening



DIRECT AND INDIRECT SPEECH



DIRECT SPEECH

Direct/quoted speech, involves quoting the exact words uttered by the person, within inverted commas or quotation marks.

For example:

- She said, "I won't be coming home tonight".
- Tom said, "There's a tiger outside the window."

INDIRECT SPEECH

Indirect/reported speech, on the other hand, does not have to be within quotes or reported word-to-word.

For example:

- She told him that she was happy.
- He told me that he was tired.

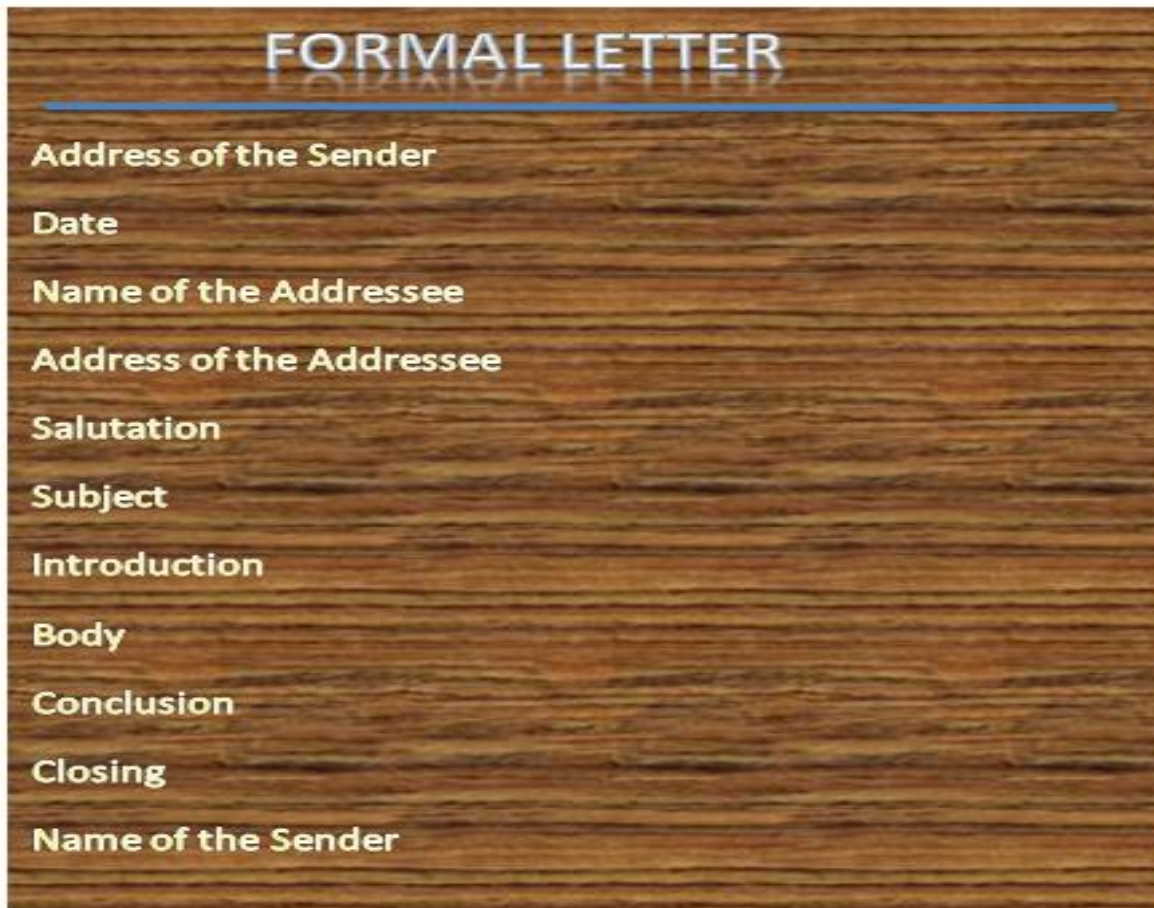


Note that the verb tense necessarily changes in reported speech. This is because when we report speech, we are talking, obviously, about something that was said in the past. Hence, it becomes necessary to use the past tense of the verb.

DIRECT SPEECH	INDIRECT SPEECH
He said, "I'm fine."	He said that he was fine.
He said, "I've been married for three years."	He said that he had been married for three years.
He said, "I went to the theatre yesterday."	He said that he had gone to the theatre the day before.
He said, "The show was already underway when the chief guest arrived."	He said that the show was already underway when the chief guest arrived. (no change in tense).

- They said, "We have done our duty"
- He said, "Do you agree with me?"
- She said, "They have not eaten their meals"
- He said, "Will you listen to me?"
- He said, "I play football."

Q9: Write a formal letter to the mayor of your futuristic town, proposing a sustainable change to the infrastructure. (05)



In your letter base paragraphs on the following points:

- a) Compliment the work of the town or city council has been during sustainability
- b) Highlight a problem with in infrastructure that you want to address
- c) Outline your sustainable change to this problem

Writing Checklist

Narrative	Conventions
<p>Meets Expectations:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Narrates real or imagined experiences or events <input type="checkbox"/> Establishes a context and point of view <ul style="list-style-type: none"> a. Introduces a narrator and/or characters b. Creates a logical and natural sequence of events <input type="checkbox"/> Uses narrative techniques <ul style="list-style-type: none"> a. Dialogue and description b. Pacing (<i>time and sequence</i>) <input type="checkbox"/> Describes events clearly <ul style="list-style-type: none"> a. Uses transition words, phrases, and clauses b. Uses precise words and phrases c. Uses sensory language and descriptive details <input type="checkbox"/> Provides a conclusion 	<p>Meets Expectations:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Spells correctly <ul style="list-style-type: none"> a. Grade-appropriate vocabulary b. Domain-specific vocabulary <input type="checkbox"/> Uses correct capitalization <input type="checkbox"/> Uses correct and consistent punctuation <input type="checkbox"/> Uses knowledge of language in writing <ul style="list-style-type: none"> a. Maintains consistent formal style b. Expresses ideas concisely and precisely
Informative/Explanatory	Conventions
<p>Meets Expectations:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduces a topic <ul style="list-style-type: none"> a. Organizes information using a type of text structure strategy b. Uses graphics and/or multimedia to aid in comprehension <input type="checkbox"/> Develops the topic <ul style="list-style-type: none"> a. Provides relevant facts, definitions, and concrete details b. Uses multiple sources to gather information (<i>examples and quotations</i>) <input type="checkbox"/> Uses appropriate transitions <ul style="list-style-type: none"> a. Clarifies the relationships among ideas and concepts b. Uses precise language (<i>domain-specific</i>) <input type="checkbox"/> Provides a conclusion <ul style="list-style-type: none"> a. Statement or section 	<p>Meets Expectations:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Spells correctly <ul style="list-style-type: none"> a. Domain-specific vocabulary b. Grade-appropriate vocabulary <input type="checkbox"/> Uses correct capitalization <input type="checkbox"/> Uses correct and consistent punctuation <ul style="list-style-type: none"> a. Commas, parentheses, dashes <input type="checkbox"/> Uses knowledge of language in writing <ul style="list-style-type: none"> a. Maintains consistent formal style b. Expresses ideas concisely and precisely

Argument	Conventions
<p>Meets Expectations:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduces claim(s) <input type="checkbox"/> Organizes the reasons and evidence <ul style="list-style-type: none"> a. Acknowledges alternate or opposing claims b. Uses structure to support the writer's purpose (<i>letter format, essay, speech</i>) <input type="checkbox"/> Supports claim(s) <ul style="list-style-type: none"> a. Uses logical reasoning b. Uses relevant evidence c. Uses accurate credible sources <input type="checkbox"/> Uses appropriate transitions <ul style="list-style-type: none"> a. Clarifies the relationships among claim(s), reasons, and evidence <input type="checkbox"/> Provides a conclusion <ul style="list-style-type: none"> a. Statement or section 	<p>Meets Expectations:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Spells correctly <ul style="list-style-type: none"> a. Domain-specific vocabulary b. Grade-appropriate vocabulary <input type="checkbox"/> Uses correct capitalization <input type="checkbox"/> Uses correct and consistent punctuation <input type="checkbox"/> Uses knowledge of language in writing <ul style="list-style-type: none"> a. Maintains consistent formal style b. Expresses ideas concisely and precisely

- a) **Your school prepared for the final round of an international debating competition**
Describe the event, keeping in mind the place, the people and the atmosphere.
- b) **Write a narrative that include the following sentence:**
When they opened the door to the secret room they couldn't believe what they saw.....

Q no 1. Multiple choice questions:

- i. A box weighing 60N is placed on the ground. The bottom of the box measures 2m by 1m. What is the pressure on the ground? A) 6Pa B) 30Pa C) 60Pa D) 120Pa
- ii. Which acid is present in tomato? A) Citric acid B) Oxalic acid C) Lactic acid D) Hydrochloric acid
- iii. $\text{Na}_2\text{CO}_3 \cdot \text{H}_2\text{O}$ is known as: A) baking soda, B) baking powder, C) washing soda, D) bleaching powder.
- iv. pH value less than 7 indicates that the solution is: A) acidic, B) basic, C) neutral, D) no effect
- v. Which of the following organic base is not present in RNA? A) adenine, B) thymine, C) uracil, D) guanine
- vi. What is the basic structural and functional unit of kidney? A) neuron, B) nucleotide, C) nephron D) none of the these
- vii. The brain of an adult human being weighs about ___ pound. A) two, B) three, C) four, D) five
- viii. Deforestation causes: A) greenhouse effects, C) air pollution, D) all of these
- ix. In System International the unit for the measurement of force is: A) Pascal, B) Newton, C) Joule, D) Hertz
- x. When one of the surfaces of a lens is concave and other is plane, the lens is called _____. A) plane convex lens, B) double convex lens, C) plane concave lens D) concave-convex lens

Q no 2. What is myxomatosis? What are the causes of this disease?

Q no 3. Write the names and functions of different parts of brain.

Q no 4. What is meiosis? Explain all of its stages with diagrams. What are the significances of meiosis?

Q no 5. What are the different types of chemical reactions? Explain with the help of examples.

Q no 6. What is covalent bond? What are the different types of covalent bond? Explain with examples.

Q no 7. Draw the labeled diagram of all stages of mitosis.

Q no 8. Balance and complete the following reaction:

- a) $\text{Na} + \text{HCl} \rightarrow$
- b) $\text{CaO} + \text{H}_2\text{SO}_4 \rightarrow$
- c) $\text{Na}_2\text{CO}_3 + \text{HNO}_3 \rightarrow$
- d) $\text{Fe} + \text{S} \rightarrow$
- e) $\text{Br}_2 + \text{H}_2 \rightarrow$
- f) $\text{CH}_4 + \text{O}_2 \rightarrow$

Q no 9. What is the difference between metals and non-metals?

Q no 10. What is the difference between plant and animal cell? Explain with the help of diagram.

Q1. Simplify the following surds:

i) $(3 - 2\sqrt{3})(3 + 2\sqrt{3})$ ii) $(2 - \sqrt{3})(3 + \sqrt{5})$ iii) $(\sqrt{3} - \sqrt{3})(\sqrt{2} + \sqrt{5})$

Q2. i) If $x = \sqrt{5} + 2$, find the value of $x + \frac{1}{x}$ and $x^2 + \frac{1}{x^2}$

ii) If $x = \sqrt{2} + \sqrt{3}$, find the value of $x - \frac{1}{x}$ and $x^2 + \frac{1}{x^2}$

iii) If $x = 2 - \sqrt{3}$, find the value of and $x^4 + \frac{1}{x^4}$

Q4 Find the following product

i) $(x^2 - y^2)(x^2 - xy + y^2)(x^2 + xy + y^2)$

ii) $(x + y)(x - y)(x^2 + y^2)(x^4 + y^4)$

iii) $(2x - y)(2x + y)(4x^2 - 2xy + y^2)(4x^2 + 2xy + y^2)$

Q5 Evaluate the following when a=3, b=-1 and c=2

i) $5a - 10$

ii) $3b + 5$

iii) $2a - 3b + 2c$

Q6. If $A = \begin{bmatrix} 2 & 0 \\ -3 & 1 \end{bmatrix}$, $B = \begin{bmatrix} 4 & 1 \\ 3 & 1 \end{bmatrix}$ and $C = \begin{bmatrix} -10 & 1 \\ -9 & 1 \end{bmatrix}$ then find

i) B^{-1} ii) A^{-1} iii) C^{-1}

Q7. If $C = \begin{bmatrix} a & -b \\ -c & d \end{bmatrix}$, $D = \begin{bmatrix} -a & b \\ c & -d \end{bmatrix}$ are two matrices, then show that C and D are additive inverse of each other.**Q8. Solve the following linear equations by Cramer's rule**

i) $4x + 3y = -2$, $x - 2y = 6$

ii) $x - 2y = -2$, $9x + 5y = 4$

iii) $x + y = -2$, $x - 6y = 23$

Q9. Solve the following word problems by using inversion method:

i) The length of a rectangular playground is twice its width. The perimeter is 30. find its dimensions.

ii) 3 bags and 4 pens together cost 257 rupees whereas 4 bags and 3 pens together cost 324 rupees.

Find the cost of a bag of 8 pens

iii) Amjad thought of two numbers whose sum is 12 and whose difference is 4. Find the numbers

Q10. Solve the following

i) My age this year is a multiple of 8. Next year it will be multiple of 7. How old am I?

ii) The line segment, joining the midpoints of two sides of a triangle, is parallel to the third side and is equal to one half of its length.

iii) Show that the points A (2, 3), B (8, 11) and (0, 17) are the vertices of an isosceles triangle.

iv) Prove that points A (-2, -2), B (4, -2) and C (4, 6) are vertices of a right triangle.

Assignment 1: Research about the damage done by cyber attacks in the past 2 years to governments and private organizations. Prepare a report on how governments and organization took measures against cyber-attacks.

Assignment 2: Exploring an Interesting Topic

i Create a Simple Documented Document: Use Microsoft Word to create a document. **Description:** You have the opportunity to research and present on a topic **The Influence of social media on society**. This task will help you improve your skills in using Microsoft Word to create a simple documented document

ii. Create a Presentation:

Create a Winter-Themed Presentation:

Task: Use a presentation software like Microsoft PowerPoint or Google Slides to create a winter-themed presentation. Include at least five slides with images, text, and transitions. Share interesting facts about winter or create a virtual winter story.

iii. Create a sheet:

create an excel sheet on the topic “**Student record of your class**” which includes all subjects. Also, you have to calculate Sum, Average and percentage

Conclusion: Summarize what you have learned and share your thoughts or reflections. • Use headings, bullet points to organize your document, sheet and PPT.

- Keep headings underlined and bold.
- Keep font style “Times New Roman” and Size 12.

جماعت: ہشتم

مضمون: مطالعہ قرآن / اسلامیات

سوال نمبر 1۔ سورۃ الانفال 39 تا 50 الفاظ معنی لکھیں۔

سوال نمبر 2۔ سورۃ الفرقان ترجمہ یاد کریں۔

سوال نمبر 3۔ حدیث نمبر 5 تا 10 ترجمہ لکھیں۔

سوال نمبر 4۔ قصہ مریم مختصر تحریر کریں۔

سوال نمبر 5۔ سورۃ انفال آیت نمبر آیات 38 تا 58 ترجمہ یاد کریں۔

سوال نمبر 1: نظریہ پاکستان کے ارتقاء پر نوٹ لکھیں۔

سوال نمبر 2: تحریک پاکستان پر لکھی گئی کم از کم پانچ کتابوں اور ان کے مصنفین کے نام لکھیں۔

سوال نمبر 3: پاکستان کا نقشہ بنا کر اس میں تمام صوبوں اور بڑے شہروں کی نشاندہی کریں۔

سوال نمبر 4: قراردادِ لاہور اور اس کی اہمیت پر نوٹ لکھیں۔

سوال نمبر 5: 3 جون کا منصوبہ اور تقسیمِ ہندوستان پر نوٹ لکھیں۔

سوال نمبر 6: پاکستان کی ترقی میں مضبوط جمہوریت کیا کردار ادا کر سکتی ہے؟ اپنا تجزیہ لکھیں۔

سوال نمبر 7: پاکستان کی معاشی ترقی میں سیاحت کے ممکنہ کردار پر تحقیق اور تجزیہ کریں۔ پاکستان میں سیاحت کے فروغ کے لیے چند تجاویز پیش کریں۔

Q1: Write a note on the evolution of Ideology of Pakistan.

Q2: Write down the names of at least five books and their authors written on the topic of Pakistan Movement.

Q3: Draw a map of Pakistan showing all the provinces and major cities.

Q4: Write a brief note on Lahore Resolution and its importance.

Q5: Write a note on the 3rd June Plan and division of India.

Q6: What role can the strong democracy play in the progress of country?

Q7: Research and analyze the potential of tourism in economic growth of Pakistan. Give some suggestions to promote tourism in Pakistan.

سوال نمبر 1۔ اپنے کسی بھی یادگار سفر کا مکمل سفر نامہ لکھیں۔

سوال نمبر 2۔ درج ذیل محاورات کو اپنے جملوں میں اس طرح استعمال کریں کہ ان کا مطلب واضح ہو جائے۔

1۔ کام تمام کرنا۔

2۔ آنکھ بند ہونا۔

3۔ سکوت کا عالم ہونا۔

4۔ تھرا اٹھنا۔

5۔ دل جوئی کرنا۔

6۔ کمر بستہ ہونا۔

سوال نمبر 3۔ درج ذیل میں سے کسی ایک موضوع پر اپنا مضمون لکھیں۔

جنگلات کی ضرورت

تعلیم کی ہیئت

سوال نمبر 4۔ چھٹیوں کے دوران کوئی ایک کتاب پڑھیں اور اس پر اپنا تبصرہ لکھیں۔

سوال نمبر 5۔ مرکب کی اقسام لکھیں اور مرکب ناقص کی کوئی سی چار اقسام کی وضاحت کریں۔

سوال نمبر 6۔ موسم سرما سے متعلق اردو الفاظ کا مختصر سوانامہ تخلیق کریں۔ اس میں موسم، لباس، سرگرمیاں، اور موسم سرما سے جڑے جذبات کے

متعلق الفاظ شامل کریں۔ یہ نہ صرف الفاظ کی تعمیر کو بڑھاتا ہے بلکہ فنی صلاحیتوں میں بھی اضافہ کرتا ہے۔

سوال نمبر 7۔ ایک موسم سرما سے متعلق اردو نظم تخلیق کریں، جس میں موسم کی خوبصورتی، اپنی پسندیدہ سردی کی سرگرمیوں، یا ایک خیالی موسم سرما کا منظر نامہ بھی

بنا سکتے ہیں۔