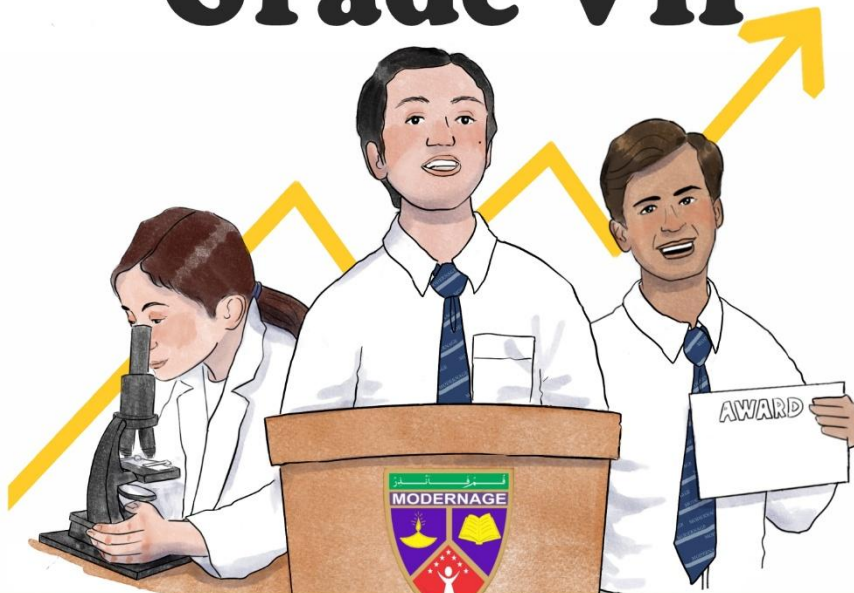


MODERNAGE

Public School & College, Pakistan

A Place to Flourish, Thrive & Shine

Grade VII



Summer Homework

Modernage Public School & College, Pakistan
Homework for Summer Break
Grade VII-Session 2026-27

Dear Parents and Young Learners,

As we wrap up an incredible first term filled with discovery and growth, we celebrate the curiosity, creativity, and kindness our Grade VII students have shown. Summer break is a magical time to relax, explore, and let newfound knowledge blossom. To keep young minds engaged and excited about learning, we've crafted special summer assignments that blend fun with foundational skills, setting the stage for a brilliant Term II ahead!

Purpose of the Homework

- To reinforce core concepts from previous grades and introduce selected themes from the Grade VI curriculum.
- To nurture independent learning, critical thinking, and curiosity.
- To help students develop time management and self-discipline through structured yet enjoyable tasks.

What to Expect

- Engaging and purposeful assignments across major subjects designed to be both challenging and fun.
- Activities that promote reading, exploration, and hands-on learning.
- A chance for students to reflect, discover, and prepare for the exciting year ahead.

Parental Support Matters

We warmly invite parents to become partners in their child's learning. Encourage your child to:

- Maintain a balanced daily routine (study, rest, play, and quality family time).
- Keep a summer reading journal to fuel imagination and build language skills.
- Celebrate small milestones with words of encouragement and appreciation.

📅 Summer Vacation Schedule

- **Summer Vacations are starting from Thursday 25th June to Sunday 2nd August 2026.**
- **School will reopen on Monday 3rd August 2026.**

📣 Homework Submission

All summer homework must be **submitted on the reopening day, Monday, 28th July 2025.**

As we step into this summer break, we wish our students a **joyful, safe, and enriching holiday** filled with laughter, learning, and memorable moments. Let this break refresh their minds and hearts, and prepare them for a brilliant start to the new academic session.

➡️ Homework details can be found on www.maps.edu.pk, the **school portal**, and the **Modernage app**.

We look forward to seeing you back; rested, inspired, and ready to shine.

Warmest regards,

Academic Coordinator

Modernage Public School & College, Pakistan
Homework for Summer Break
Grade VII - Session 2026-27

ENGLISH

Question 1: Directed Writing – A Descriptive Paragraph

Topic: “*My Dream Hideout*”

Imagine a secret place where you go to escape the world—real or imaginary.

Describe it using all five senses: **sight, sound, smell, touch, taste.**

Include details like:

- i. Where is this hideout?
- ii. What can you see, hear, and feel there?
- iii. What makes it special for you?
- iv. What would you do there?

Question 2: Composition – Story

Writing Title: *The Vanishing Footprints*

Begin with this sentence:

“The footprints led into the forest, but there was no one in sight...” Write a suspense-filled short story:

- i. Who do the footprints belong to?
- ii. What mystery unfolds?
- iii. What challenge does the main character face?

Optional titles:

1. *Gone in the Mist*
2. *The Trail of Secrets*
3. *Whispers in the Woods*

Question 3: Formal Writing – Email to a Teacher

Scenario:

You want your school to arrange a **Book Reading Day** once a month.

Write an email to your English teacher suggesting this idea. Include:

- i. Why reading is important
- ii. What activities could be part of the day (e.g., book talks, reading corners, storytelling)
- iii. How students and teachers can help
- iv. A polite closing

Structure:

- a. Subject line
- b. Greeting (e.g., Dear Miss/Mr. _)
- c. Purpose of the email
- d. Explanation and suggestions
- e. Closing and your name

Question 4: Grammar Practice

1. Passive Voice:

Rewrite: The students painted the classroom walls.

2. Tense Correction:

I go to the zoo last Saturday.

3. Pronoun Identification:

Each of them brought their own lunch.

4. Punctuation Practice:

what a beautiful rainbow it is

5. Correct Verb Form:

The clock ___loudly every hour (a) tick (b) ticks (c) ticking

6. Sentence Rearranging:

are the stars shining in the sky

7. **Subject and Predicate:**
The colourful butterflies danced over the flowers.
8. **Comparative Adjective:**
My pencil is short. Yours is _.
9. **Irregular Verb Correction:**
They **runned** all the way home.
10. **Choose the Possessive Pronoun:**
That bag is __, not yours.
(a) mine (b) me (c) my

Question 5: Vocabulary Fun

a) Synonyms in Context

1. Replace "happy":
She felt very __ after the test results.
2. Replace "fast":
The rabbit was so __, it reached the finish line first.
3. Replace "small":
He held a __ insect in his hand.
4. Replace "loud":
The music was too __ for the baby.
5. Replace "kind":
The teacher had a __ smile.

b) Homophones Challenge

1. The wind blew through the __ of the ship.
(a) sail (b) sale
2. He couldn't __ the heavy bag.
(a) bear (b) bare
3. The __ is shining brightly today.
(a) sun (b) son
4. I want to __ a story about dragons.
(a) right (b) write
5. They walked across the wooden __.
(a) plain (b) plane (c) plank (d) plane

Question 6: Reading Buddy Task

Please read the following books and complete their quizzes:

1. The Count of Monte Cristo
2. Off with his Beard!
3. Northanger Abbey

Question 7: Spelling List

Practice these challenging and useful words:

1. Abdicate	11. Famished	21. Keen	31. Pernicious	41. Upright
2. Abrasive	12. Formidable	22. Knock	32. Prudent	42. Utopia
3. Belligerent	13. Gaudy	23. Lavish	33. Query	43. Vengeance
4. Bizarre	14. Gruesome	24. Ludicrous	34. Qualitative	44. Vulnerable
5. Casualty	15. Hospitable	25. Melancholy	35. Rampart	45. Wary
6. Conspicuous	16. Hilarious	26. Mundane	36. Relentless	46. Whim
7. Devious	17. Impartial	27. Naïve	37. Somber	47. Xenial
8. Dexterity	18. Inundate	28. Nomadic	38. Subtle	48. Yearn
9. Eligible	19. Juvenile	29. Obnoxious	39. Tentative	49. Zeal
10. Exuberant	20. Jostle	30. Ornate	40. Toxic	50. Zealous

History

Uncovering the Past, One Story at a Time!

Q1: Spotlight on Muslim Civilizations!

Activity Name: “Dynasty Diaries”

Create flashcards or a colourful chart about at least 5 major Muslim dynasties (e.g., Umayyad, Abbasid, Fatimid, Ottoman, Mughal). For each dynasty, include:

Time Period & region, major achievements (2 to 3)

Famous architectural wonders (draw or paste pictures!) A fun fact or quote from that era

Make it artistic with symbols, colours.

Q2: Quiz Master Challenge

Activity Name: “Fill-in-the-Blank Bonanza”

Write about, **20 Fill-in-the-blank questions** from the following chapters (10 each):

Chapter 4: *Muslims in South Asia*

Chapter 5: *The Mughal Empire*

Q3: Voices from the Past

Activity Name: “Autobiography that Speak”

Choose any 1 historical personality who wrote or inspired autobiographies.

Read or research them and write 2 short paragraphs:

Who was he/she?

What life lessons or interesting events did he/she share?

Q4: Space vs. Earth

Activity Name: “Debate in the Cosmos”

Do you think **space exploration** is worth it when we haven't explored all of Earth yet?

Write a **short opinion paragraph** giving **your point of view**. Mention: Pros and cons of space exploration

Environmental or humanitarian priorities

Try starting with: “While space holds wonders, Earth still hides secret

Geography

Explore the Earth Like Never Before!

Q1: Activity Name: “Crop Calendar of Pakistan”

Create a **colourful chart** showing major **Kharif (Summer)** and **Rabi (Winter)** crops grown in any region of Pakistan. Include:

Names of crops

Sowing & harvesting time

Q2: Waste Watchers!

Find out what types of **waste** (e.g., plastic, organic, metal, paper) are produced in your area. Then:

List which ones are reused or recycled Suggest how waste management can improve

Present this as a **recycling flowchart**.

Q3: Eco-Hero in Daily Life

Activity Name: "I Save the Earth By..."

List at least 5 things you personally do or can do to protect the environment. Examples: Carry a reusable water bottle.

Turn off lights when not in use Walk instead of taking a car

Present this as an **eco-diary entry** with drawings, stickers, or photos from your life.

Science

Total Marks: 50

1. Science in Action: Investigate Photosynthesis!

- Create a colourful poster or digital infographic explaining **Photosynthesis vs. Respiration**. Include:
 - i. Word equation of photosynthesis
 - ii. Two types of respiration
 - iii. Why leaves are green
 - iv. Leaf adaptations
 - v. Compare photosynthesis and respiration (table format)

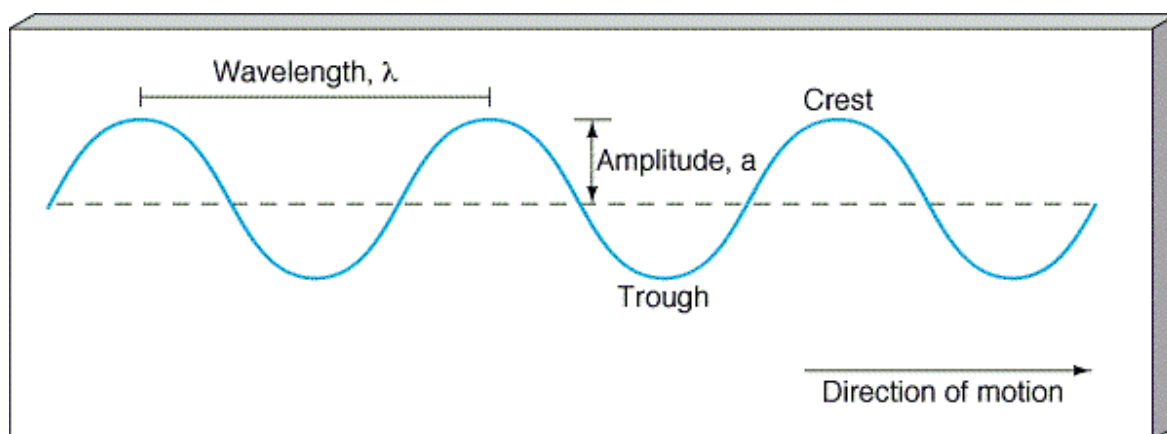
2. Water – The Wonder Liquid! Activity

Title: "Every Drop Counts!"

Read the case study and do the following:

Water is essential for all forms of life. It plays a vital role in the transport of nutrients and waste products in the body. In plants, water helps in the process of photosynthesis and the transport of minerals from the soil. Animals and humans need water to digest food, regulate body temperature, and remove waste. Around 70% of the human body is made up of water. A lack of water can lead to dehydration, which can be harmful and even life-threatening. This shows how crucial water is to all living organisms.

- i. Write a paragraph explaining why water is crucial for life (use your own words).
- ii. Design a creative **water cycle diagram** (label it well).
- iii. Make a **Water Hero Card**: Describe one way you can save water at home and draw yourself as a "Water Hero"!



3. Wave World: Ride the Sound! Activity

Title: "Sound Safari"

- i. Describe: Crest, Trough, Amplitude, Wavelength, Frequency
- ii. Differentiate between **Transverse** and **Longitudinal waves** (draw both).
- iii. Explain why sound can't travel in a vacuum.
- iv. What's an echo? Where have you heard one?.

4. Bond It Like Atoms!

Activity Title: "Molecules Meet & Greet"

- i. Draw and explain the bonding in a **carbon dioxide** molecule (CO₂)
- ii. Describe 3 types of solutions (Solid-in-liquid, Gas-in-liquid, Liquid-in-liquid) with daily life examples

Optional Fun: Use clay or sketching to create 3D models of molecule structures!

Computer Science

Total Marks: 40

Mission: Use your computer skills to create, format, analyze, and design like a tech expert! ☑

Final Submission: In a neatly organized folder named like this:

YourName_Grade7_CS_Summer2025

Task 1: Design It – My Summer Story in MS Word

Activity Title: "Vacation Vibes – A Story in Style"

Open MS Word and follow this checklist:

1. Title your document: "**Summer Vacation Activities**" using **Heading 1 style**.
2. Write **three short paragraphs** on how you will spend your summer (travel, fun, learning, hobbies).
3. Use **Justified Alignment** and **1.5 line spacing**.
4. Add a **bulleted list** of 5 fun activities (e.g., painting, cricket, coding, hiking, or Netflix!).
5. Use **two different fonts and sizes**. Highlight exciting words like *beach, friends, games* in **bold!**
6. Insert a **summer-themed image** (like sun, beach, ice cream) and apply a stylish **border**.

Creative Tip: Add emojis or borders to headings to make it cheerful!

Task 2: Table Time – Organize Your Summer Plan!

Activity Title: "Summer Planner – Like a Pro"

In MS Word, create a colourful table with these columns:

Activity | Duration (Hours/Week) | Tools Needed

Example row:

Reading Books | 7 | Books, Highlighter

1. Add **5 activities**
2. Apply a cool **table style**
3. Make sure it **fits neatly** on the page
4. Center-align column headers and bold them

Task 3: Tech-Talk Show – PowerPoint Presentation

Activity Title: "Exploring Technology"

Make a presentation that introduces technology to your friends!

Slides to include:

1. **Title Slide:** With your name and grade – make it bold and exciting!
2. **Slide 2 – Tech Parade:** Use **SmartArt** to show 5+ modern technologies (AI, VR, AR, IoT, Robotics, etc.).
3. **Slide 3 – Spotlight Tech:** Pick one technology (e.g., AI), add a picture, and bullet points describing its uses.
4. **Slide 4 – Thank You Slide:** Add **animations** and a final message

Task 4: Make it Move!

- Add **transitions** to all slides
- Use **animations** on at least 2 items per slide (e.g., title and bullet list)

Pro Tips for All Tasks:

Save your files with clear names like VacationStory_YourName.docx
 Submit your folder via USB or upload link.

Mathematics

Total Marks: 50

□ *Let's make Math magical this summer!*

Q1: Marvelous Sets Magic!

Q1. If $U = \{1,3,5,7,9,11,13, \dots, 29\}$

$A = \{1,3,5,7,9,11\}$

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

$C = \{1,3,9\}$ $D = \{3,7,9\}$

Find:

i. $A \cup B$

ii. $B \cap A$

iii. $B \cup D$

i. $C \cap D$

ii. A'

vi. B'

vii. C'

viii. D'

ix. $B \setminus D$

x. $A \setminus C$

Use **coloured pens** or highlighters to show overlapping elements when you draw **Venn diagrams**

Q2: Fractions, Decimals & Roots – Fun with Numbers!

i. Who's Greater?

Compare the following pairs using $<$, $>$, or $=$:

a. $\frac{3}{-4}$, $\frac{2}{5}$ b. $\frac{3}{7}$, $\frac{8}{15}$ c. $\frac{3}{250}$, $\frac{18}{125}$

iii. Fractions to Decimals – Divide to Discover!

Convert the following into decimals using **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. Square Roots Table

Complete the table of square roots

Number	Square root
25	
49	
400	
196	
144	
625	
5625	
1600	
3600	

Q3: Polynomials & Expressions Party!

i. Add the Expressions

- $2a + 3b$ and $4a + 7b$
- $-3x - 5y + 2z$ and $7x + 8y - z$
- $3a + 6b$ and $a - 7b$
- $4xy - 8$ and $xy + 6$

ii. Subtract Like a Pro

Remember: from means you reverse the order!

- $a - b + c$ **from** $2a + b - c$
- $3a - 2b - 4c$ **from** $2a + 3b + c$
- $3m + 6n$ **from** $2m - n$
- $x - 2y + z$ **from** $-3x + 4y - 7z$

iii. Simplify the Following

- $(2k+3l)(4k + 5l + 2m)$
- $(-2x^2y^3)^3$
- $(15x^2-10xy) \div 5x$

Show step-by-step working. Use colour to highlight like terms!

Q4: Angle Adventures!

- Find the **sum of interior angles** of an octagon
- Find **each interior angle** of a nonagon
- Find **each exterior angle** of a decagon

Hint: Use these formulas!

- Sum of interior angles = $(n - 2) \times 180$
- Each interior angle = $[(n - 2) \times 180] \div n$
- Each exterior angle = $360 \div n$

Q5: Let's Label a Circle!

Draw a circle with a compass and **label the following** parts:

- Centre
- Circumference
- Diameter
- Radius
- Chord
- Arc
- Segment

Use coloured pencils and a ruler for neatness. Label in **block letters**. Try to name the parts using **English alphabets** (e.g., chord AB, radius OC).

Q6: Circle Construction – Art with Geometry!

Activity Title: *The Rainbow Segment*

Use a **compass and ruler** to:

- Construct a **circle of radius 3.5 cm**
- Draw a **chord of 2.5 cm**
- Shade the **minor segment** (the smaller region) formed by this chord

Use **light shading or colour pencils** to colour the segment. Label clearly.

ARTS

Task 1: Artist Study – Wassily Kandinsky

Answer the following questions on ruled paper with neat handwriting and decorated borders.

Q1: Who was Wassily Kandinsky?

Write 5 interesting facts about his life or artwork.

Tip: You can ask an elder, or visit child-friendly websites like:

- a. www.tate.org.uk
- b. www.kids.kiddle.co

Task 2: Mood Board Creation – "My Feelings in Colours & Shapes"

On a half chart or A4 sheet, create a mood board using:

- i. Cutouts from old magazines/newspapers
- ii. Coloured papers or fabric pieces
- iii. Sketches, textures, and small doodles
- iv. Write small captions for the emotions you are expressing (e.g., peace, joy, chaos, curiosity)

Focus on using abstract shapes and expressive colours instead of real pictures.

Task 3: Geometrical Design Inspired by Kandinsky

Create a Kandinsky-style abstract painting using:

- i. Geometric shapes (circles, triangles, lines, squares)
- ii. Bright colours and contrasting patterns
- iii. Symmetry or asymmetry – your choice!

Use any art material you have at home:

- a. Coloured pencils
- b. Crayons
- c. Watercolours
- d. Oil pastels
- e. Markers

●Your final artwork must be on A4 or drawing sheet.

●Don't forget to sign your artwork like a real artist!

●Your final artwork must be on A4 or drawing sheet.

●Don't forget to sign your artwork like a real artist!

Submission Checklist

1. For Q1, write answer on neat ruled paper
2. Mood board on half chart or A4 sheet
3. Geometrical design artwork on A4 or drawing sheet
4. Folder decorated with Kandinsky-style shapes or abstract patterns

سوال 1- روزے کے روحانی، جسمانی اور معاشرتی فوائد بیان کریں۔

اشارے: صبر و شکر، دوسروں کا احساس، نظم و ضبط، صحت کے فائدے

سوال 2- عقیدہ ختم نبوت کیا ہے؟ قرآن کی روشنی میں وضاحت کریں۔ کوئی ایک آیت مع ترجمہ لکھیں جو اس عقیدے کی تائید کرتی ہو۔

سوال 3- عقیدہ ختم نبوت پر ایمان لانے سے ہماری زندگی کیسے متاثر ہوتی ہے؟۔ اپنے الفاظ میں 3-4 جملے لکھیں۔

سوال 4- اسلام میں علم حاصل کرنے کے بارے میں کیا ہدایات ہیں؟ کم از کم دو احادیث اور دو قرآنی آیات کے حوالے دیں۔

سوال 5- سورۃ العلق مکمل عربی میں لکھیں۔ اردو ترجمہ بھی ساتھ لکھیں۔

سوال 6- میانہ روی "یعنی اعتدال سے کیا مراد ہے؟

تخلیقی سرگرمی:

دو کرداروں پر مشتمل ایک مختصر مکالمہ لکھیں۔ فضول خرچ اور کفایت شعار۔

مضمون: اردو

کل نمبر: 40

جماعت: ہفتم

(10 نمبر)

سوال نمبر 1: مضمون نویسی

درج ذیل موضوعات میں سے کسی دو پر خوبصورت انداز میں مضمون لکھیں۔

موضوعات:

طالب علم کے فرائض

تعطیلاتِ موسمِ گرما

میرا مقصدِ زندگی

مشورہ: مضمون کے آغاز میں تعارف، درمیان میں تفصیل، اور آخر میں نتیجہ ضرور

لکھیں۔

(10 نمبر)

سوال نمبر 2: کہانی نویسی

درج ذیل ضربُ الامثال میں سے کسی ایک کی مدد سے دلچسپ اور سبق آموز کہانی لکھیں

آسمان سے گرا، کھجور میں اٹکا

ناچ نہ جانے، آنکھ ٹیڑھا

آنکھ اوجھل، پہاڑ اوجھل

خیال رکھیں: کہانی کا عنوان، کردار، واقعہ اور نتیجہ واضح ہو۔ آخر میں سبق بھی ضرور لکھیں۔

(10 نمبر)

سوال نمبر 3: علمُ البیان-

علمُ البیان کے کتنے ارکان ہوتے ہیں؟

ہر رکن کی تعریف، کم از کم ایک مثال کے ساتھ لکھیں۔

سوال نمبر 4: تعریفات اور مثالیں۔

(10 نمبر)

روزمرہ، محاورہ اور ضربُ المثل کی تعریف لکھیں ہر ایک کی کم از کم دو مثالیں دیں۔

کوشش کریں کہ آپ اپنی زندگی سے جڑی کوئی مثال بھی شامل کریں
