

SUMMER HOLIDAY HOMEWORK- 2026

Class - 10th ENGLISH

1. Prepare a reading report on first flight book of your syllabus you have read during the holidays.

Include:

- * Name of the book
- * Author
- * Main characters
- * Summary (100–120 words)
 - * Moral/message of the story

Section B – Writing Skills

Q1. Formal Letter Writing

Write *two* letters in your notebook:

- * Letter to the Editor on increasing pollution in your city
- * Letter placing an order for sports items for your school

Section C – Literature

First Flight

Answer the following questions in 50-60 words.

1. Why was Valli excited about the bus journey in Madam Rides the Bus?
2. How did Mijbil create problems for the author in Mijbil the Otter?
3. What message do you get from the poem Fog?
4. Why is Custard called a coward in The Tale of Custard the Dragon?
5. Explain the symbolism of trees in the poem The Trees.

(Answer the following question in 120 words.

1. Describe Valli's character as shown in Madam Rides the Bus.
2. How did the otter become an important part of the author's life?
3. Compare the themes of nature in Fog and The Trees.

Section D – Grammar

Do the following exercises in your notebook:

1. Tenses – 50 questions
2. Modals – 50 questions
3. Reported Speech – 50 questions
4. Subject verb agreement 50

sentences Holiday Challenge

- * Watch one English movie with subtitles and write a short review.
- * Learn and recite any one poem from your syllabus.

Note:

- * Complete all work neatly.
- * Revise all chapters done in class.

SOCIAL SCIENCE

Ques1: Learn and write the ethnic composition of Belgium and Sri Lanka. Ques2: Write a note on unification of Germany and unification of Italy.

- * zinc reacts with dilute hydrochloric acid?
- * sodium carbonate reacts with hydrochloric acid?
- 1. Why do acids conduct electricity in aqueous solution?
- 2. Explain why dry HCl gas does not change the colour of dry blue litmus paper.
- 3. Differentiate between strong acids and weak acids.
- 4. What is neutralisation reaction? Write one practical application of neutralisation.
- 5. Explain the preparation of baking soda with a balanced chemical equation.
- 6. Write the chemical formula and one use of:
 - * bleaching powder
 - * washing soda
 - * plaster of Paris
- 1. Why is plaster of Paris stored in airtight containers?
- 2. Write balanced chemical equations for:
 - * reaction of metal with oxygen
 - * reaction of metal with water
 - * reaction of metal with dilute acid
- 1. Explain the reactivity series of metals. Why is potassium stored in kerosene oil?
- 2. Differentiate between metals and non-metals on the basis of:
 - * malleability
 - * ductility
 - * conductivity
 - * sonority
- 1. Why are ionic compounds generally hard and have high melting points?
- 2. Explain why:
 - * copper is used for electrical wiring
 - * aluminium is used for making utensils
 - * graphite conducts electricity although it is a non-metal
- 1. What happens when iron nails are placed in copper sulphate solution? Write the balanced equation.
- 2. Explain the reaction of sodium with water. Why is this reaction highly vigorous?
- 3. Name a metal which:
 - * is liquid at room temperature
 - * can be cut with a knife
 - * is the best conductor of electricity
- 1. Draw labelled diagrams of:
 - * electrolysis of water
- 1. Prepare a colourful chart on:
 - * types of chemical reactions

SUBJECT :- BIOLOGY

- Q.1: The left ventricle has thickest wall. explain why ?
Q2: explain the difference between Thigmotropism and Thigmonasty?
Q3: Why transpiration is important for plants ?
Q4 : What is the advantage of having four chambered heart?
Q4: Describe the flow of blood through a human heart ?
Q5: Define:
- ultra filtration
 - haemodialysis

Q6 : explain the physiology of urine formation ?

Q7: PROJECT WORK

Roll no.1 to 10 : Model showing structure of Heart

Roll no.11 to 20 : Table showing difference b/w Tropic and

Nastic movement **Roll no. 21 to 30**: A table showing role of various plant hormones on A3 sheet **Roll no. 31 to ___**: Draw a diagram showing Urine formation on A3 sheet

Q8 : Draw diagrams on A3 sheet.

- Excretory system
- Double circulation
- Structure of nephron

MATHEMATICS

CH-5 A.P.

Q1. If the 7th term of A.P is $1/9$ and 9th term is $1/7$. Find its 63rd term.

Q2. The 9th term of an AP is equal to 6 times the second term. If its 5th term is 22 find the AP.

Q3. The 24th term of an A.P. is twice its 10th term. Show that its 72th term is 4 times its 15th term. Q4. Find the 12th term from the end of the AP: -2, -4, -6, ..., -100

Q5. Which term of the AP, 8, 14, 20, 26, will be 72 more than its 41st term?

Q6. If mth term of an AP is $1/n$ and its nth term is $1/m$, then show that its (mn) th term is $1/2(mn+1)$.

Q7. An AP consists of 37 terms. The sum of the three middle most terms is 225 and the sum of the last three is 429. Find the AP.

Q8. The sum of the third and the seventh terms of an AP is 6 and their product is 8. Find the sum of first sixteen terms of the AP.

Q9. In an A.P, the sum of m terms of an AP is n and sum of n terms of AP is m, then prove that sum of $(m+n)$ terms of AP is $-(m+n)$.

Q10. If the sum of m terms of an A.P. is same as the sum of its n terms, then the sum of its $(m+n)$ terms is 0.

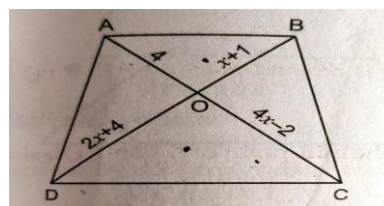
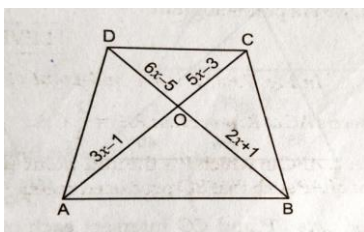
CH-6 TRIANGLES

Q1. State and prove B.P.T.

Q2. State and prove Converse of

B.P.T. Q3. If $AB \parallel CD$ find the value of x

Q4. If $AB \parallel CD$ find the value of x



Q5. E is the point on side AD produced of a parallelogram ABCD and BE intersects CD at F prove that $\triangle ABE \sim \triangle CFB$

