RAO MOHAR SINGH MEMORIAL SR. SEC. PUBLIC SCHOOL

— RMS —

WINTER BREAK HOME WORK
GRADE- VII

Winter Break

WISHING ALL A WONDERFUL AND PROSPEROUS NEW YEAR !!!

RAO MOHAR SINGH MEMORIAL SR SEC SCHOOL

HOLIDAY HOMEWORK

CLASS-VII

SUBJECT- ENGLISH

SECTION – A : GRAMMAR

Q1. Nouns

Underline the nouns and write their type (Common / Proper / Abstract / Collective):

1. Courage is the greatest quality of a soldier.

2. The detective solved the mystery cleverly.

3. Honesty brings respect and success.

4. The class listened to the story silently.

5. India remembers its brave martyrs.

Q2. Pronouns

Fill in the blanks with suitable pronouns:

1. The children enjoyed _____ during the holidays.

2. This book is mine, that one is _____.

3. The teacher praised _____ for discipline.

4. Golu wondered why _____ nose was growing.

5. Chandni hurt _____ while running.

Q3. Verbs and Adverbs
Underline the verb and circle the adverb:

1. The fan spoke mysteriously.

2. The boy answered the questions confidently.

3. The cat climbed the tree quickly.

4. The detective worked silently.

5. The bear slept peacefully.

Q4. Adjectives
Fill in the blanks with suitable adjectives:

1. The soldiers showed _____ bravery.

2. Vita-Wonk was a _____ invention.

3. The meadow was full of _____ flowers.

4. Chandni was a _____ goat.

5. The story had a _____ ending.

Q5. Conjunctions
Join the following sentences using suitable conjunctions:

1. He worked hard. He failed.

2. She was tired. She completed her work.

3. The cat climbed the tree. The dog barked loudly.

4. I wanted to go out. It was raining.

5. Read carefully. You will make mistakes

Q6. Tenses

Fill in the blanks with the correct tense of the verb given in brackets:

1. The detective _____ (solve) the case yesterday.

2. The children _____ (play) when it started raining.

3. He _____ (complete) his homework already.
4. The poet _____ (describe) nature beautifully.
5. We _____ (visit) the memorial next week.

Q7. Active – Passive Voice

Change the following sentences into Passive Voice:

1. The soldiers protect the nation.

2. The boy broke the window.

3. The teacher explained the lesson.

4. The cat chased the rat.

5. People admire brave heroes.

Q8. Reported Speech

Change the following sentences into Indirect Speech:

1. The teacher said, "Work hard for success."

2. He said, "I am feeling tired."

3. The boy said, "I have lost my book."

4. She said, "I will help you."

5. Mother said, "Do not waste time."

Q9. Clauses

Identify the main clause and subordinate clause:

1. I know that he is honest.

2. She stayed at home because she was ill.

3. We will go out if it stops raining.

4. He is the boy who won the race.

5. I believe what you say.

SECTION – B : LITERATURE (A) Honeycomb

Q10. Answer the following in 2–3 sentences:

1. What does the lesson "Quality" teach us?

2. Why is the detective called an expert in "Expert Detectives"?

3. What is special about the invention in "The Invention of Vita-Wonk"?

4. Why do we pay homage to soldiers in "A Homage to Our Brave Soldiers"?

5. What lesson do we learn from "A Gift of Chappals"?

(B) Poems

Q11. Answer the following questions:

1. What message does the poem "Trees" give us?

2. Why does the poet dislike being chivvied in "Chivvy"?

3. What makes the fan mysterious in "Mystery of the Talking Fan"?

4. How does humour arise in "Dad and the Cat and the Tree"?
5. What surprises do we find in "Meadow Surprises"

(C) An Alien Hand

Q12. Answer the following in brief:

1. Why was Chandni unhappy?

2. What kind of animal was the bear in "The Bear Story"?

3. How did the tiger behave in "A Tiger in the House"?

4. Why was the child different in "An Alien Hand"?

5. What lesson do we learn from "Golu Grows a Nose"?

SECTION – C : WRITING SKILLS

Q13. Paragraph Writing
Write a paragraph (100–120 words) on any ONE topic:

1. Importance of Discipline

2. Courage of Indian Soldiers

3. My Favourite Story

4. Kindness Towards Animals

Q14. Letter Writing

A. Formal Letter:

Write a letter to the Principal requesting leave for three days.

OR

B. Informal Letter:

Write a letter to your friend describing how you spent your winter holidays

.

Q15. Article Writing

Write an article (120–150 words) on "The Value of Honesty".

Q16. Notice Writing
Write a notice for your school notice board informing students about an Inter-House Debate Competition.

Instructions:

✓ Do all work neatly in English notebook

✓ Maintain good handwriting

✓ Submit on the first day after winter vacation

SUBJECT- HINDI

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ALL THE QUESTIONS ARE MANDATORY

1. Find the perimeter of a rectangle whose length is 15 cm and breadth is 9 cm.

2. Find the area of a square whose side is 12 cm.

3. A rectangular park is 40 m long and 25 m wide. Find its area and perimeter.

4. Find the cost of fencing a square field of side 28 m at ₹5 per metre.

5. Find the area of a triangle with base 10 cm and height 7 cm.

6. A floor is 8 m long and 6 m wide. How many square tiles of side 40 cm are needed?

7. Find the area of a parallelogram with base 14 cm and height 10 cm.

8. The perimeter of a square is 48 cm. Find its area.

9. Find the area of a rhombus with diagonals 10 cm and 8 cm.

10. The area of a rectangle is 180 cm² and its length is 15 cm. Find its breadth.

11. Simplify: 3X + 5X – 2X

12. Find the value of 2X + 5 when X=3.

13. Simplify:4a+3b-2a+b

14. Add:(2x + 3y) + (4x-y)

15. Subtract: (7a – 5b) – (3a + 2b)

16. Simplify: 5x – (2x-3)

17. Write an algebraic expression for: "5 more than twice a number".

18. Find the perimeter of a rectangle whose length is (x+5) and breadth is (x2) .

19. Simplify: 3p X 4q

20. Find the area of a square whose side is (2x+3) .

21. **Write 125 as a power of 5.**

22. **Simplify: $2^3 \times 2^4$**

23. **Simplify: $5^6 / 5^2$**

24. **Find the value of 3^4 .**

25. **Express 100000 in exponential form.**

26. **Simplify: $(2^3)^4$**

27. **Which is greater: 2^5 or 5^2?**

28. **Write the standard form of 0.00045.**

29. **Simplify: $10^4 \times 10^5$.**

30. **Evaluate: $(5^2 + 3^2)$.**

31. **How many lines of symmetry does a square have?**

32. **How many lines of symmetry does a rectangle have?**

33. **Name a figure with no line of symmetry.**

34. **Draw a figure with exactly one line of symmetry.**

35. **How many lines of symmetry does an equilateral triangle have?**

36. **Is a circle symmetric? How many lines of symmetry does it have?**

37. **Does a scalene triangle have a line of symmetry?**

38. **Name the letters of the English alphabet having vertical symmetry.**

39. **Name the solid shape having only one curved surface.**

40. **How many faces, edges, and vertices does a cube have?**

41. **Name the solid which has 2 circular faces and 1 curved surface.**

42. **How many edges does a cuboid have?**

43. **What is a net of a solid?**

44. **Name the solid whose net is a triangle and three rectangles.**

45. **Draw the top view of a cylinder.**

46. **Construct a triangle with sides 4 cm, 5 cm, and 6 cm. Measure its angles.**

47. **Find the area of a rectangle whose length is 18 cm and breadth is 7 cm.**

48. **A square playground has perimeter 160 m. Find its area.**

49. **Find the cost of tiling a floor of length 12 m and breadth 8 m at ₹25 per m².**

50. **Simplify: 6x – 3x + 4 – 2 .**

51. **Find the value of 3a + 5 when a=4 .**

52. **Write an algebraic expression for: "10 less than three times a number".**

53. **Simplify: $4^3 - 4^2$.**

54. **Write 0.000072 in standard form.**

55. **How many vertices does a cone have?**

<mark>SUBJECT: SCIENCE</mark>

✦ SECTION A: MULTIPLE CHOICE QUESTIONS (MCQs)

1. Which blood vessels carry blood away from the heart?
   a) Veins
   b) Capillaries
   c) Arteries
   d) Nerves

2. The thin wire in an electric bulb is called:
   a) Switch
   b) Fuse
   c) Filament
   d) Cable

3. Transfer of pollen from anther to stigma is called:
   a) Germination
   b) Fertilization

   c) Pollination
   d) Reproduction

4. Which mirror is used as a rear-view mirror?
   a) Plane mirror
   b) Concave mirror
   c) Convex mirror
   d) Spherical mirror

5. Forests help in maintaining:
   a) Temperature
   b) Oxygen–carbon dioxide balance
   c) Rainfall
   d) All of these

6. Wastewater from homes is known as:
   a) Clean water
   b) Sewage
   c) Fresh water
   d) Groundwater

✦ SECTION B: FILL IN THE BLANKS

1. The pumping organ of the human body is the _____.

2. A device that prevents excessive flow of current is called a _____.

3. Vegetative reproduction takes place in plants like _____.

4. Forests are called the _____ of the Earth.

5. Bending of light is known as _____.

6. Sewage is treated in a _____ treatment plant.

✦ SECTION C: MATCH THE FOLLOWING
Column A　　**Column B**

1. Xylem　　　　a. Treats sewage

2. Fuse　　　　 b. Transports water

3. Stamen　　　 c. Safety device

　　　　　　　 d. Male part of
4. STP　　　　　flower
Column A　　**Column B**

5. Convex mirror e. Rear-view mirror

✦ SECTION D: VERY SHORT ANSWER QUESTIONS

1. What is transpiration?

2. Name the unit of electric current.

3. Write one example of asexual reproduction.

4. Name any one decomposer found in forests.

5. What kind of image is formed by a plane mirror?

6. What is sludge?

✦ SECTION E: SHORT ANSWER QUESTIONS

1. Write two functions of blood.

2. Why is nichrome used in heating devices?

3. What is fertilization?

4. Write any two importance of forests.

5. Define lateral inversion.

6. Why should wastewater be treated before releasing into rivers?

✦ SECTION F: LONG ANSWER QUESTIONS

1. Explain the transportation of water and food in plants.

2. Describe the heating effect of electric current with examples.

3. Explain sexual reproduction in plants with the help of a diagram.

4. Describe the role of forests in maintaining ecological balance.

5. Explain reflection of light and its laws.

6. Describe the process of sewage treatment in brief.

✦ SECTION G: DIAGRAM-BASED QUESTIONS

(Draw neat, labelled diagrams)
1. Excretory system

2. Electric circuit

3. Structure of a flower

4. Forest food web

5. Ray diagram for plane mirror

✦ SECTION H: ACTIVITIES

1. Measure your pulse rate before and after exercise.

2. Make a simple electric circuit using a battery and bulb.

3. Grow a plant using stem cutting.

4. Prepare a poster on **"Save Forests, Save Life"**.

5. Observe your image in different mirrors and note differences.

SUBJECT- SOCIAL SCIENCE

QUESTION–ANSWER WORK

A. Answer the following questions:

1.Who were nomads? How were they different from settled communities?

2.What is patronage? Name two examples from medieval India.

3.Write three features of Mughal administration.

4.How did regional cultures develop in India?

5.Define valour. Mention one historical example.

6.What is the environment? Name its three components.

7.Explain how human beings interact with the environment.

8.What are natural resources? Write any three uses of forests.

9.What is equality? Why is it important in a democracy?

10.What are public facilities? Give two examples.

B. Short Notes (Write any FIVE):

1.Bhakti Movement

2.Sufi Saints

3.Regional Languages

4.Water Conservation

5.Human Environment

6.Markets

7.Temple Architecture

C. Very Short Answer Questions:

1.What is a market?

2.Name two natural resources.

3.What is water conservation?

4.Who provides public facilities?

5.What is human environment?

🌍 MAP WORK

On an outline map of India, mark and label:

Any 5 major rivers Any

3 mountain ranges

▢ CASE STUDY

Read the passage and answer the questions:

A village does not have clean drinking water and schools. People travel far to meet their basic needs.

Which public facilities are missing in the village?

Who is responsible for providing these facilities?

How will these facilities improve people's lives?

▢ CREATIVE & ACTIVITY WORK

1. Timeline Activity

Create a timeline of 5 important events from medieval Indian history using colours and drawings.
2. Environment Activity

Write 10 ways in which students can protect the environment at home and school.

▢ PROJECT WORK (COMPULSORY)

Topic: "My Environment, My Culture, My Responsibility"

Include:

One page on Indian culture (food, dress, festivals, or dances of any one state)

One page on protecting the environment

At least 3 pictures

A short conclusion (5 lines)

▢ REFLECTION

Write 5 lines on:

"What I learnt from Social Science this year."

SUBJECT- SANSKRIT

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प्रश्न.12 ....-

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প্রশ্ন.20 ....-

SECTION-A

Q1. Fill in the blanks:

    i.   A conditional statement checks whether a _____ is true or false.

    ii. The keyword used for the first condition is _____.

    iii. The keyword used for an alternative condition is _____.iv. The keyword used for multiple conditions is _____.

    v. A block of code inside an if-statement is written using _____.

    vi. In HTML, tables are defined using the <atble>, <tr> and <td> tags together to show_____ data. vii. The term Algorithmic Intelligence means intelligence shown through _____ and data –driven methods.

    viii.   stands for _____. ix. An algorithm is a step-by-step _____ to solve a problem.

    x. AI for SDGs supports the goal of _____ education and clean energy.

Q2. True or False:

    i. If statement works only when the condition is true. ( )

    ii. Else can exist without an if. ( ) iii. Python uses indentation to define a code block. ( ) iv. Elif means "else-if". ( )

    v. <TD> tag stands for Table Duplicate.

Q3. Multiple Choice Questions:

    i.   Which is correct?

    a) if x = 5:   b) if x == 5:   c) if (x equals 5): ii. Which keyword checks another condition?

    a) if b) else c) elif iii.   How many else statements?

    a) One   b) Two c) Many iv. Algorithmic intelligence refers to:

a) The ability of machines to follow a set of rules
b) Robots with human emotions
c) Automatic sensing
d) Voice recordings systems

vi. Ordered list in HTML are created using:

a)   b)   c)

SECTION-B

Q4. Answer the following questions:

i. Write any three advantages of using HTML5 over older versions.
ii. Define a conditional statement in Python with one example.
iii. Write the difference between the <th> and <td> tags.
iv. Explain the importance of AI for SDGs in the modern world.

v. What is an algorithm? Write one example from daily life.

SECTION-C

Q5. Practical Zone(Do on Computer or Notebook)

i. HTML Practical Task:
Create a webpage titled "My favourite subjects" using HTML5 that includes:
  ⬧ A heading and a short paragraph
  ⬧ An ordered list of your 5 favourite subjects
  ⬧ A table showing subject name, teacher's name, and your marks
  ⬧ Background color or font styling using CSS

(Write the code in your notebook if you can't use the computer)

ii. Algorithm and Flowcharts Task:
  ⬧ Write an algorithm to find the largest of three numbers.
  ⬧ Draw a flowchart for the same.
iii. Python Coding Task:
  ⬧ Write a Python program to check whether a number entered by the user is even or odd.
  ⬧ Create a basic calculator in Python that can perform basic arithmetic operations.

Q6. Write a paragraph(6-8 lines) on the topic:

"How AI can help in achieve a better future for all".

Q7. Create a poster/chart according to given Roll No.:

i. "Artificial Intelligence for Sustainable Development Goals (AI for SDGs)". Use colors, symbols and examples like AI in education, healthcare and environment. **(Roll No.: 1-16) ii.** Create a timeline chart of "Generation of computers." **(Roll No.:- 17-36)**

- 1st to 5th generation

- Mention key features devices used (vacuum tubes transistors IC microprocessor AI) and one example of each.

- Use coloured boxes or arrows for clarity.

iii. Prepare a chart on "Memory Units and Storage devices." **(Roll No.: 37-48)**

- Show hierarchy: Bit → Byte→ KB > MB > GB> TB

- Add pictures of storage devices like Hard Disk, Pen drive, CD, Cloud Storage, etc.

Q8. Explain in your own words how AI can support these SDGs:

- SDG3- Good Health and Well-being
- SDG4-Quality Education
- SDG 13- Climate Action

SUBJECT- DRAWING

1.Draw a posters on republic Day with slogan on A3 sheet.

2.Craftwork : Make a wall hanging did the use of different things. (Plastic bottle, wooden stick ,colorful sheets, tissue paper thread)