



# *John Wesley Convent, Rohtak*

## *Winter Vacation Home Work (2025-26)*

**Class : 7**

Dear Parents

School will remain closed from January 01, 2026 to January 15, 2026 on account of Winter Break. The school will reopen on January 16, 2026.

Wish you all a very

Prosperous New Year



### **General Instructions:**

- Do your Holidays Homework in a very neat and tidy manner.
- Parent should converse most of the time in English with their wards.
- Do the practice work in separate notebook.
- Kindly do the given assignments along with.
- Take good care of yourself

### **Subject Enrichment Assessment.**

- The revision work given is for the test to be held after vacation. Marks obtained in these tests even will be considered for Subject Enrichment Assessment.
- Parents may help their ward in completing the Holidays Homework.

English:

### **PROJECT WORK**

(Do the project according to your Roll Number)

(Roll No. 1 to 10) \*Story Innovators

- Write a short story (200–250 words) on “A Winter Decision That Changed Everything”.
- Design a creative cover page for your story.
- Highlight: Introduction, Conflict, Climax and Conclusion

(Roll No. 11 to 20) Creative Project: “My Winter World”

- Design an attractive cover page and write 6–8 lines on what winter means to you.
- Write a descriptive paragraph on “A Winter Morning at Home or School”
- Write any ONE:

A letter written by a Blanket to a Child

OR

A conversation between Fog and the Sun

- Draw a winter scene and write 8 sentences based on it.
- Write 4–5 lines on one good habit you follow during winter.

(Roll No. 21 Onwards) Think, Imagine, Express

- Prepare a fact file on “Winter Across India”.
- Your fact file should include:  
Winter weather conditions in any three Indian states  
Food habits followed during winter  
Clothing commonly worn in the winter season

One interesting fact related to winter in India

Enhance your work with pictures, maps, or hand-drawn illustrations.

Present the information neatly using headings and bullet points.

- Revision Work

#### Literature-

- Read and Revise the following chapters thoroughly. Learn Word Meanings, Question/ Answers and Book Exercises
- Unit 4: Travel and Adventure
- Chapter 1-The Tunnel
- Chapter-3 Conquering the Summit
- Unit 5: Bravehearts
- Chapter 1-A Homage to Our Brave Soldiers
- Chapter 3-Rani Abbakka

#### Grammar

- Revise the following topics:  
Parts of Speech, Articles and Determiners, Conjunctions, Prepositions, Tenses (Present, Past and Future)
- Complete the worksheet related to these topics provided on Parent app

#### Hindi:

- 1 बर्फाले वातावरण पर आधारित एक लघु कहानी लिखिए (भारत के सबसे ठंडे स्थानों की कल्पना करते हुए)।
- 2 अनुक्रमांक के अनुसार चार्ट तैयार कीजिए।  
क) अनुक्रमांक 1 से 10 अपनी पाठ्य पुस्तक की एक कविता चित्र सहित लिखिए।  
ख) अनुक्रमांक 11 से 20 वचन चित्र सहित लिखिए  
ग) अनुक्रमांक 21 से 35 विशेषण के भेद चित्र सहित प्रस्तुति दीजिए।
- 3 (विषय संवर्धन सीबीएसई अनुसार निम्नलिखित पाठों को अच्छी तरह पढ़ें और दोहराएँ। शब्दों के अर्थ, प्रश्न/उत्तर और किताब का अभ्यास याद कीजिए।  
पाठ -6 गिरिधर कविराय की कुंडलिया (कविता)  
पाठ -7 वर्षा बहार (कविता)  
पाठ-8 बिरजू महाराज साक्षात्कार  
पाठ-9 चिड़िया (कविता)  
पाठ-10 मीरा के पद

#### व्याकरण पुष्प पुस्तक से

पाठ 13 समास, पाठ-15 लिंग, पाठ -16 वचन, पाठ 17 कारक, पाठ 18 सर्वनाम, पाठ 19 विशेषण  
पाठ 27 मुहावरे याद कीजिए।

#### रचनात्मक लेखन

अनुच्छेद, औपचारिक पत्र, अनौपचारिक पत्र याद कीजिए व अभ्यास कीजिए।  
बाल महाभारत कथा  
पाठ 25 मंत्रणा  
पाठ 26 राजदूत संजय  
पाठ 27 शांतिदूत श्री कृष्ण का पठन कार्य कीजिए।

#### Mathematics:

- Learn and write Squares and Square root from 1 to 25 on A4 size sheet.
- Learn and write all Formulae of Perimeter, Area on A4 size sheet.

- Activity on Winter Designs & Geometry : Design a rangolior snowflake using geometric shapes on an A4 sheet. Identify lines of symmetry in the design
- Revise the following chapters from NCERT Book and solve the given assignments in practice notebook :

Chapter- 6 (Triangles and its properties)

Chapter- 8 (Comparing Quantities)

Chapter- 9 (Rational Numbers)

Chapters: 14 (Symmetry)

- On the basis of the revision work solve the assignment given on the App in your HHW notebook.

## Science:

### A. Revision of the following Chapters

- Electricity:Circuits & their Components
- Adolescence:A Stage of growth and Change
- Changes Around Us:Physical and Chemical
- Shadows & Reflections
- Earth,Moon and the Sun

### B.Project:

- Poster Making-Save Energy,Save Future(Even Roll Numbers)
- Activity (odd Roll Numbers)-Observe winter patterns in your area over the last 5–10 years.

### Write:

- Changes in temperature, fog, rainfall, or cold waves
- 4 reasons responsible for these changes
- 5 practical steps to reduce climate change at school/home on A3 Sheet .
- Make a bar graph or flow chart & Paste it on A3 Sheet

### C.Solve the assignments given on App

## Social Science:

### A.Revise the content done till the date.

- Chapter - Climates of India
- Chapter -The Rise of Empires
- Chapter - The Age of Reorganisation
- Chapter -Understanding Markets
- Chapter -Gupta Era : The age of Tireless Creativity
- Chapter -Women change the world
- Chapter -Growing up as boys and girls

B Journal Entry: Write a fictional journal entry (150–200 words) Imagining you are a person living in a tribal village in the Amazon Basin or a farmer in the Ganga-Brahmaputra Basin.

C. Monsoon Mapping: On two outline maps of India, draw and label the wind directions for the Summer Monsoon (Southwest winds) and the Winter Monsoon (Northeast trade winds)

D. Mapping New States : On an outline political map of India, locate and label the following three categories of states that emerged in the 18th century:

A) Old Mughal Provinces: Mark Awadh, Bengal, and Hyderabad.

B) Watan Jagirs: Mark Rajput principalities such as Amber (Jaipur) and Jodhpur.

C) Independent States: Mark the territories controlled by the Marathas, Sikhs, and Jats.

E. Weather Reporter Act: Prepare a short script as a weather reporter giving a “Winter Special” update for various regions of India (e.g., fog alerts in Delhi, snowfall in Kashmir, and pleasant weather in Mumbai).

Or

Climate change – Observe local changes in winter patterns and suggest ways to reduce impact.

F. Create a Comparative Report: In your notebook or on an A4 sheet, prepare a report comparing the two markets based on the following criteria:

A) Types of Goods: What items are available in each?

B) Pricing: Are branded or non-branded goods more common? How does the price difference affect buyers?

C) Sellers: Are they small traders or large company representatives? How do they set up their shops?

D) Infrastructure: Are the shops permanent buildings or temporary setups?

E) Target Customers: Who generally shops there?

A.I.

1) Learn the following chapters:

- Chapter-2 Problem solving with Algorithms and Flowcharts
- Chapter-3 Can computers see images?
- Chapter-4 Basics of App Development
- Chapter-5 AI & Human Language
- Chapter-6 Python Nuts & Bolts

2) Prepare a presentation (atleast 3 slides) on Topic- “Winter Agriculture Challenges” with slides on shorter days, limited crop variety, colder temperature.

- Get printouts(Black & White or coloured)

## संस्कृत

दीपकम् सप्तमकक्षायाः संस्कृत- पाठ्यपुस्तकम्

- पाठ – 6 क्रीडाम वयं श्लोका न्याक्षरीम्
- पाठ-7 ईशावास्यम् इदं सर्वम्
- पाठ-8 हितं मनोहारि च दुर्लभं वचः लालनगीतम् हिंदी अर्थ
- पाठ-9 अन्नाद् भवन्ति भूतानि
- पाठ-10 दशमः कः?
- हिन्दी अर्थ , शब्दार्थ व अभ्यास कार्य याद कीजिए।

1. शीतकालीन परंपराएँ (Winter Traditions):

क्षेत्रीय शीतकालीन त्योहारों और रीति-रिवाजों पर शोध कीजिए और उनके बारे में चित्र बनाते हुए पांच वाक्य संस्कृत में लिखिए (जैसे माघ बिहू, पोंगल आदि) ।

- A3 शीट तैयार कीजिए।
- श्रीमद् भागवत गीता का कोई एक श्लोक और उसका हिंदी अर्थ लिखिए । विषय -धर्म

- अनुक्रमांक 11 से 20 श्रीमद् भागवत गीता का श्लोक और उसका हिंदी अर्थ लिखिए विषय -कर्म
- अनुक्रमांक 21 से अंतिम श्रीमद् भागवत गीता का श्लोक और उसका हिंदी अर्थ लिखिए । विषय- आचरण , सुख दुख , आत्मा , जय पराजय या लाभ हानि। ( किसी एक विषय पर)
- शब्द रूप राम , हरि, समानार्थक, सप्ताहः, भारतीय दादशमासाः ,संख्यावाचक ( 76 से 100 )
- धातुरूप पठ् लृट् लकारः, अस् धातु लट् और लृट् लकार : में याद कीजिए।
- बीमार हो जाने पर छुट्टी के लिए संस्कृत में प्रार्थना पत्र याद कीजिए।

### GENERAL KNOWLEDGE

- 1) Revise the topics done in the class.
  - A) Important dates
  - B) Cabinet Ministers
  - C) Parents of great personalities
  - D) Sports
  - E) Current Affairs
- 2) **Weekly News Log:** Maintain a news journal for the vacation weeks. Cut out or summarize one major National, International, and Sports news item each week.
- 3) **Current Affairs Quiz:** Research and write 50 questions with answers based on important events from the year 2024–2025.
- 4) **National Identity:** Collect and paste pictures of items that feature the National Emblem of India, such as coins, Aadhar card etc
- 5) **Winter Immunity Poster:** Create an informative poster or chart illustrating 5-10 seasonal Indian foods that boost immunity, such as amla (Indian gooseberry), turmeric, ginger, spinach, and nuts.

### REASONING

1. Make 3 assignments on coding decoding
2. Make 3 assignments on alphanumeric series
3. Practice the questions of alphanumeric analogy

### ART AND CRAFT

1. Draw and colour the Madhubani painting.  
 Note: Size for art work (A-3 sheet)  
 Use any type of colours.
2. Make the hanging pen stand by using the bird or animal shapes.  
 Note: Use the cardboard and any decoration material.





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(A New Generation International Sr. Sec. School, Affiliated to C.B.S.E.)

Class..... Section.....

Name: \_\_\_\_\_ Roll No.: \_\_\_\_\_ Topic : \_\_\_\_\_

## A. Fill in the blanks:

1. The flow of electric charge is called \_\_\_\_\_.
2. The device used to open or close a circuit is called a \_\_\_\_\_.
3. Copper is a good \_\_\_\_\_ of electricity.
4. The symbol used to represent an electric bulb in a circuit is called a \_\_\_\_\_.
5. The period between childhood and adulthood is called \_\_\_\_\_.
6. Hormones are released by \_\_\_\_\_ glands.
7. The hormone responsible for changes in girls is \_\_\_\_\_.
8. Physical and emotional changes occur during \_\_\_\_\_.

## B. Draw neat and labeled diagrams of:

1. An electric circuit with a cell, switch, and bulb
2. Symbols of:
  - a. Electric cell
  - b. Switch (open and closed)
  - c. Bulb

## C. Give one word for the following :

1. Device used to break a circuit – \_\_\_\_\_
2. Material that does not allow electric current to pass – \_\_\_\_\_
3. Unit of electric current – \_\_\_\_\_
4. Thin wire inside bulb – \_\_\_\_\_
5. Age between childhood and adulthood – \_\_\_\_\_
6. Master gland – \_\_\_\_\_
7. Male hormone – \_\_\_\_\_
8. Female hormone – \_\_\_\_\_

## D. Match the following:

### Column A

Hormones

Adolescence

Pituitary gland

Testosterone

### Column B

Master gland

Period of rapid growth

Chemical messengers

Male hormone

**E. Answer the following questions:**

1. What is electric current? Name its SI unit.

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2. What is a circuit? Why is a switch used in an electric circuit?

---

3. Name any two conductors and two insulators.

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4. What is an electric cell? Write one use of it.

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5. Why should we not touch electrical appliances with wet hands?

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6. What is adolescence? Write the age group of adolescence.

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7. Name any four changes that occur during adolescence.

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8. What are secondary sexual characters? Give two examples.

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9. What is the role of hormones during adolescence?

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10. Why is a balanced diet important during adolescence?

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**F.State True or False :**

1. Electric current can flow through rubber.

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2. A closed circuit allows electric current to flow.

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3. Dry wood is a good conductor of electricity.

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4. Electricity is used only at home.

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5. Touching switches with wet hands is safe.

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6. Adolescence is a lifelong process.

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7. Hormones act as chemical messengers.

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8. Estrogen is a male hormone.

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9. A balanced diet is important during adolescence.

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10. Personal hygiene helps prevent diseases.

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# John Wesley Convent, Rohtak

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Class..... Section.....

Name: \_\_\_\_\_ Roll No.: \_\_\_\_\_ Topic : \_\_\_\_\_

## A. Multiple Choice Questions (MCQs):

- Which of the following is a physical change?  
a) Burning of paper   b) Rusting of iron   c) Melting of ice.   d) Cooking of food
- In which change is a new substance formed?  
a) Physical change.   b) Chemical change   c) Reversible change   d) Temporary change
- Rusting of iron requires:  
a) Water only.   b) Air only   c) Water and air   d) Sunlight
- Which of the following changes is irreversible?  
a) Freezing of water.   b) Melting of wax.   c) Cutting of paper   d) Burning of candle
- Galvanization is used to prevent:  
a) Melting   b) Freezing.   c) Rusting   d) Evaporation
- A mirror which has a flat surface is called:  
a) Concave mirror   b) Convex mirror.   c) Plane mirror.   d) Spherical mirror
- The image formed by a plane mirror is:  
a) Real   b) Inverted   c) Virtual.   d) Enlarged
- The bouncing back of light from a surface is called:  
a) Refraction.   b) Reflection.   c) Dispersion.   d) Absorption
- Which mirror is used as a rear-view mirror in vehicles?  
a) Plane mirror.   b) Concave mirror.   c) Convex mirror.   d) Periscope
- Splitting of white light into seven colours is called:  
a) Reflection.   b) Refraction.   c) Dispersion.   d) Scattering

## B. Fill in the Blanks :

- Changes in which no new substance is formed are called \_\_\_\_\_ changes.
- Rust is formed when iron reacts with air and \_\_\_\_\_.
- Burning of magnesium ribbon is a \_\_\_\_\_ change.
- Cutting paper is a \_\_\_\_\_ change.
- The image formed by a plane mirror is \_\_\_\_\_.
- The band of seven colours formed from white light is called \_\_\_\_\_.
- The angle of incidence is equal to the angle of \_\_\_\_\_.
- The change in direction of light when it passes through a medium is called \_\_\_\_\_.



**C.State True/False :**

1. Physical changes are always reversible.
2. In chemical changes, new substances are formed.
3. Rusting is a physical change.
4. Melting of ice is a chemical change.
5. Painting iron objects prevents rusting.
6. Light travels in a straight line.
7. A concave mirror always forms a virtual image.
8. Convex mirrors give a wider field of view.
9. We can see objects only when light falls on them.
10. A plane mirror forms a real image.

**D. Answer the following (2–3 lines each):**

1. What is a physical change? Give one example.

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2. What is a chemical change? Give one example.

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3. What is rusting?

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4. What is reflection of light?

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5. What is lateral inversion?

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6. Differentiate between physical and chemical changes.

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7. Explain the process of rusting and ways to prevent it.

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8. Write characteristics of the image formed by a plane mirror.

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**E.One-Word Answer:**

1. Device that reflects light – \_\_\_\_\_
2. Mirror used in vehicles – \_\_\_\_\_
3. Bending of light – \_\_\_\_\_
4. Change that can be reversed – \_\_\_\_\_
5. Reaction of iron with oxygen and moisture – \_\_\_\_\_
6. Substance formed after rusting – \_\_\_\_\_

**F.Draw neat and labeled diagrams of:**

1. Plane mirror showing reflection of light
2. Dispersion of light through a prism



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Class..... Section.....

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Name: \_\_\_\_\_ Roll No.: \_\_\_\_\_ Topic : \_\_\_\_\_

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1. Write any one rational number between the fractions  $\frac{2}{5}$  and  $\frac{3}{5}$ .
2. Write the additive inverse of fraction  $-\frac{9}{11}$ .
3. Is -4 a rational number? (Yes / No)
4. Write fraction  $\frac{7}{8}$  in decimal form.
5. What is 10% of 350?
6. Convert 0.6 into a rational number.
7. Arrange the following rational numbers in ascending order:  $-\frac{3}{4}$ ,  $\frac{1}{2}$ ,  $-\frac{5}{8}$ ,  $\frac{3}{4}$ .
8. Find:  $\frac{5}{6} - \frac{1}{3}$
9. Find the selling price if the cost price is ₹600 and the profit is 15%.
10. A toy is marked at ₹500. A discount of 20% is given. Find the selling price.
11. Simplify:  $(-\frac{4}{7}) \times (\frac{14}{5})$
12. The cost price of a chair is ₹1,000. It is sold at a loss of 10%. Find the selling price.
13. The price of a book increases from ₹80 to ₹100. Find the percentage increase.
14. Evaluate:  $\frac{7}{10} + (-\frac{3}{5} - \frac{1}{2})$
15. A shopkeeper marks an article at ₹2,000 and allows a discount of 10%. Find the selling price of the article.
16. Which is greater:  $\frac{2}{3}$  or  $\frac{5}{6}$ ?
17. If the cost price and selling price are equal, what is the profit or loss?
18. Write the reciprocal of  $-\frac{11}{13}$ .



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Class..... Section.....

Name: \_\_\_\_\_ Roll No.: \_\_\_\_\_ Topic : \_\_\_\_\_

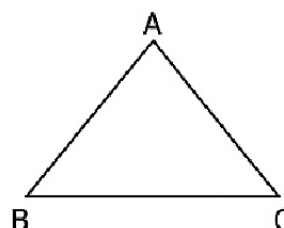
## Section A: Triangles

### A1. Very Short Answer (1 mark each)

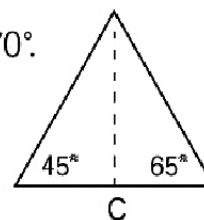
1. Define a triangle.
2. Name the types of triangles based on sides.
3. Name the types of triangles based on angles.

### A2. Short Answer (2 marks each)

4. Identify the type of triangle shown in the figure.
5. Find the value of  $x$  in the triangle shown below:



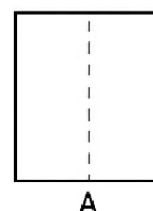
6. Find the third angle of a triangle with angles  $65^\circ$  and  $70^\circ$ .



## BI. Symmetry

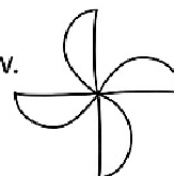
### B1. Very Short Answer (1 mark each)

7. Define line of symmetry,
8. Identify the line of symmetry in the figure.
9. Write the order of rotational symmetry of the square.



### B2. Short Answer (2 marks each)

10. Identify the type of symmetry of the figure shown below.
11. Identify the type of symmetry of the following figure.



## Section C: Mixed Revision (Application Based)

12. Name a type of triangle that has two equal sides and one unequal side.
13. A rectangle is rotated  $180^\circ$  about its centre. Identify the type of symmetry.
14. Find:  $\frac{2}{4} + (-\frac{8}{9})$