

Winter Vacation Home Work Class-7th

MATHS HOLIDAY WORKSHEET

(CH-7 to CH-11)

SECTION - A

1. Multiple choice questions:

1. 20% of 700 m is

(a) 560 m (b) 70 m (c) 210 m (d) 140 m

2. 0.07 is equal to

(a) 70% (b) 7% (c) 0.7% (d) 0.07%

3. What percent of ₹ 4500 is ₹ 9000?

(a) 200 (b) $\frac{1}{2}$ (c) 2 (d) 50

4. Which of the following rational numbers are negative:

(i) $-\frac{3}{7}$. (ii) $-\frac{5}{-8}$. (iii) $\frac{9}{-83}$.

(iv) $-\frac{115}{-197}$

5. Express $\frac{3}{5}$ as a rational number with numerator:

(i) 6. (ii) -15. (iii) 21. (iv) -27

6. The perimeter of a square with a side of 2.5 m is:

(a) 10.2 m (b) 10.2 m^2 (c) 6.25 m^2 (d) 10m

7. If the area of a parallelogram is 35 cm^2 and its altitude is 7 cm, its base is: (a) 245 cm (b) 5 cm (c) 5 cm^2 (d) 245 cm^2

SECTION -B

SHORT ANSWER QUESTIONS

2..Calculate the profit or loss and profit or loss percent in each of the following cases:

(i) C.P. = Rs 4560, S.P. = Rs 5000

(ii) C.P. = Rs 2600, S.P. = Rs 2470

3.Express each of the following as a rational number with positive denominator.

(i) $(-15/-28)$

(ii) $(6/-9)$

(iii) $(-28/-11)$

(iv) $(19/-7)$

4.Simplify and express each of the following in exponential form:

(i) $\{(23)^4 \times 28\} \div 212$

(ii) $(82 \times 84) \div 83$

(iii) $(57/52) \times 53$

(iv) $(54^x \times 10^y 5) / (54 \times x^7 y^4)$

(v) $(25)^3 \div 53$

(vi) $(81)^5 \div (32)^5$

(vii) $98 \times (x^2)^5 / (27)^4 \times (x^3)^2$

(viii) $32 \times 78 \times 136 / 212 \times 913$

5. Find the radius of a circle whose circumference is

(i) 52.8 cm

(ii) 42 cm

(iii) 6.6 km

SECTION - C

LONG ANSWER QUESTIONS

Q.6 In each of the following pairs represent a pair of equivalent rational numbers, find the values of x .

(i) $\frac{2}{3}$ and $\frac{5}{x}$.

(ii) $\frac{-3}{7}$ and $\frac{x}{4}$

Q.7 Express $\frac{5}{7}$ as a rational number with denominator:

(i) -14.

(ii) 70

Q.8 Express each of the following numbers as a product of powers of their prime factors:

(i) 450

(ii) 2800

(iii) 24000

Q.9 Naresh bought 4 dozen pencils at Rs 10.80 a dozen and sold them for 80 paise each. Find his gain or loss percent.

Q.10 A vendor buys oranges at Rs 26 per dozen and sells them at 5 for Rs 13. Find his gain percent.

Q.11 Harish purchased 50 dozen bananas for Rs 135. Five dozen bananas could not be sold because they were rotten. At what price per dozen should Harish sell the remaining bananas so that he makes a profit of 20%?

Q.13 A wire in the form of a rectangle 18.7 cm long and 14.3 cm wide is reshaped and bent into the form of a circle. Find the radius of the circle so formed.

Q.14 A wire is looped in the form of a circle of radius 28 cm. It is re-bent into a square form. Determine the length of the side of the square.

Q.15 A steel wire when bent in the form of a square encloses an area of 121 cm². If the same wire is bent in the form of a circle, find the area of the circle.

SECTION - D

CASE STUDY QUESTIONS

Q.1 The Bank Offer vs. The Store Deal

Maya wants to buy a new book or save money.

A book costs ₹600, but the store offers a 25% discount. Maya's father suggests putting ₹500 in a bank for 2 years at 6% simple interest. Questions:

(I) How much does Maya pay for the book with the discount?

(II) How much interest does the ₹500 earn in 2 years?

(III) Which option (buying the book or saving) gives Maya a better "return" on her money in that scenario? (Compare discount vs. interest earned)

Q.2 The School Garden Project

Your school wants to create a circular flower garden with a surrounding path for the annual fair. The total radius (garden + path) is 15 meters, and the path is 2 meters wide. The inner garden area will be for flowers, and the path will have tiles. 1: What is the radius of the inner flower garden?

2: Find the area available for planting flowers.

3: Calculate the area of the pathway.

4: If tiling the path costs ₹15 per square meter, what's the total tiling cost?

Subject IT:

Short question/ answer

- Q1. Which tab in MS Word is used to start the Mail Merge process?
- Q2. What is the file called that contains the variable data like names and addresses?
- Q3 What is the keyboard shortcut to edit the contents of a selected cell?
- Q4 What are the default dimensions of the Stage in Flash CS3?
- Q5. What is a reusable object in Flash called?
- Q6. Which tool is used to select irregular shaped areas of an object?
- Q7 What does the acronym VIRUS stand for?
- Q8. What type of software is designed to identify, prevent, and remove viruses?
- Q9. What is the bar at the top of an Excel window that shows the active cell's content?
- Q10. Which tool in Flash is used to draw straight lines?
- Q11. What is the name of the first computer virus?
- Q12. In Mail Merge, what is the placeholder where the address or name is inserted?

True or False

1. Mail Merge is used to send the same letter to many people with personalized details.
2. In Mail Merge, the 'Main Document' contains the names and addresses of the recipients.
3. You can only merge data into letters, not envelopes or labels.
4. In MS Excel, the shortcut key to undo the last action is Ctrl + Z.
5. The 'AutoSum' button is used to automatically add a range of numbers in Excel.
6. Flash CS3 is a program used to create vector-based animations.
7. The 'Stage' in Flash is the gray area where you keep objects that will not appear in the final movie.
8. Keyframes are used to define a change in an animation in the Timeline.
9. The 'Lasso Tool' in Flash is used to draw perfect circles and squares.
10. A 'Symbol' in Flash is a reusable object stored in the Library.
11. A computer virus is a biological infection that affects human health.
12. The full form of VIRUS is Vital Information Resources Under Siege.
13. Antivirus software should be updated regularly to protect against new threats.

14. Computer viruses can spread through external storage devices like Pen Drives.
15. Formatting a cell in Excel changes the actual value stored in that cell

Word Scramble: Can you unscramble these keywords from your chapters?

G E M R E — Hint: Combining documents.

L I F L A U T O — Hint: Dragging the cell corner to copy data.

B Y L O M S — Hint: A reusable object in the Library.

H E T R A T — Hint: Another word for a virus or risk.

Long answer questions:

Q1. What is the difference between the Main Document and Data Source in Mail Merge?

Q2. Explain how a computer virus typically spreads from one system to another.

Q3. What are "Symbols" in Flash and why are they useful?

Q4. Describe the purpose of the "Stage" and the "Timeline" in Adobe Flash.

Q5. How does the "AutoFill" feature work in Microsoft Excel?

Q6. What is "Antivirus software" and why is it important to update it?

Q7. What is a "Keyframe" and how does it differ from a regular frame in Flash?

Q8. What are "Merge Fields" and where are they used?

Q9. Explain the use of the "Lasso Tool" in Adobe Flash.

Q10. Why is the "Formula Bar" important in MS Excel?

NOTE: Revise chapter 4, chapter 5, chapter 8, chapter 9 and chapter 10. Also solve the shared worksheet

WINTER VACATION HOLIDAYS WORKSHEET

SOCIAL SCIENCE (SST)

SECTION A: MULTIPLE CHOICE QUESTIONS (MCQs)

1. Medieval towns mainly developed due to

- a. farming
- b. trade and crafts
- c. wars
- d. forests

2. Bhakti movement stressed on

- a. rituals
- b. caste system
- c. devotion to God
- d. kings

3. Kathakali is associated with

- a. Punjab
- b. Rajasthan
- c. Kerala
- d. Assam

4. After the Mughal decline, power was taken by

- a. traders
- b. regional kingdoms
- c. farmers
- d. saints

5. Tropical regions are located near the

- a. poles

- b. equator
- c. mountains
- d. deserts

6. Coniferous forests are found in

- a. plains
- b. deserts
- c. cold regions
- d. coastal areas

7. Settlements develop near

- a. water sources
- b. forests only
- c. deserts
- d. hills

8. Sahara is a

- a. cold desert
- b. hot desert
- c. coastal area
- d. rainforest

9. Gender roles are decided by

- a. biology
- b. society
- c. nature
- d. climate

10. Education helps women to

- a. stay silent

b. remain dependent

c. become empowered

11. Wikipedia plays an important role in

a. entertainment only

b. spreading information

c. farming

d. transport

12. Weekly markets are useful because they

a. sell costly goods

b. are near homes

c. are far away

d. sell imported items

SECTION B: FILL IN THE BLANKS

1. Traders helped towns to _____.

2. Sufi saints spread messages of _____.

3. Classical music developed under _____ patronage.

4. Nawabs and rulers became powerful in the _____ century.

5. Tropical rainforests receive _____ rainfall.

6. Thorny bushes grow in _____ regions.

7. Transport helps in movement of _____ and people.

8. Nomadic people live in _____ deserts.

9. Gender inequality limits _____ opportunities.

10. Educated women can take better _____.

11. Media can influence public _____.

12. Markets connect _____ and consumers.

SECTION C: TRUE OR FALSE

1. Towns grew mainly due to agriculture.
2. Bhakti saints opposed caste discrimination.
3. Regional cultures developed through local traditions.
4. Mughal power became stronger in the 18th century.
5. Tropical regions have dense forests.
6. Wildlife helps maintain ecological balance.
7. Transport is not important for settlements.
8. Deserts have very little rainfall.
9. Boys and girls are treated equally everywhere.
10. Education helps reduce gender inequality.
11. Media always shows neutral information.
12. Markets help people buy daily needs.

SECTION-D

MAP WORK

1. On the given outline political map of India, locate and label any five of the following:

- 1. Delhi**
- 2. Agra**
- 3. Surat**
- 4. Hampi**
- 5. Masulipatnam (Machilipatnam)**
- 6. Calicut (Kozhikode)**

Calicut (Kozhikode) Calicut (Kozhikode)

2. On the given outline physical map of the world, locate and label the following:

1. Sahara Desert

2. Thar Desert

3. Nile River

4. Indus River

5. Mediterranean Sea

3. On the given outline political map of India, locate and label the following major market centres:

1. Delhi

2. Mumbai

3. Chennai

4. Kolkata

5. Bengaluru

Note: learn and write the meanings of the following glossary terms

HISTORY

1. Manuscript

2. Chronicle

3. Archive

4. Dynasty

5. Patron

6. Scribes

7. Guild

8. Pilgrimage

9. Revenue

10. Inscription

GEOGRAPHY

1. Climate

2. Vegetation

3. Desert

4. Oasis

5. Irrigation

6. Pastoralism

7. Erosion

8. Migration

9. Settlement

10. Natural Resources

CIVICS (POLITICAL SCIENCE)

1. Democracy

2. Equality

3. Government

4. Law

5. Constitution

6. Market

7. Consumer

8. Producer

9. Public Facilities

10. Municipality

कक्षा 7 : हिंदी गृहकार्य

□ सप्ताह 1 : संज्ञा, सर्वनाम और लिंग

✍ अभ्यास – 1 (संज्ञा)

1. निम्न वाक्यों में संज्ञा शब्द पहचानिए और उनके भेद लिखिए – (क) राम विद्यालय जा रहा है। (ख) गंगा भारत की पवित्र नदी है। (ग) ईमानदारी सबसे बड़ा गुण है।

2. पाँच व्यक्तिवाचक संज्ञाएँ लिखिए।

✍ अभ्यास – 2 (सर्वनाम)

3. खाली स्थानों में उचित सर्वनाम भरिए – (क) ___ मेरा मित्र है। (ख) ___ अपना काम स्वयं करता है।

4. 'वह, यह, जो, कोई' – इन सर्वनामों से एक-एक वाक्य बनाइए।

✍ अभ्यास – 3 (लिंग)

5. निम्न शब्दों के स्त्रीलिंग लिखिए – राजा, पुत्र, नायक, शेर

□ सप्ताह 2 : वचन, कारक और काल

✍ अभ्यास – 4 (वचन)

1. निम्न शब्दों के बहुवचन लिखिए – लड़का, बच्चा, पुस्तक, कक्षा

2. एकवचन से बहुवचन में बदलकर वाक्य लिखिए – (क) बच्चा खेल रहा है।

✍ अभ्यास – 5 (कारक)

3. कारक चिह्न पहचानिए – (क) राम ने गेंद फेंकी। (ख) मोहन को पुस्तक दी।

4. 'ने, को, से, में' – इन कारक चिह्नों से वाक्य बनाइए।

✍ अभ्यास – 6 (काल)

5. निम्न वाक्यों का काल पहचानिए – (क) मैं पढ़ रहा हूँ। (ख) वह कल जाएगा।

□ सप्ताह 3 : विशेषण, क्रिया और अव्यय

✍ अभ्यास – 7 (विशेषण)

1. रेखांकित शब्दों के विशेषण पहचानिए – (क) सुंदर फूल खिले हैं। (ख) मीठा आम स्वादिष्ट होता है।
2. पाँच गुणवाचक विशेषण लिखिए।

✍ अभ्यास – 8 (क्रिया)

3. क्रिया शब्द पहचानिए – (क) बच्चा दौड़ रहा है। (ख) पक्षी उड़ते हैं।
4. 'खाना, लिखना, खेलना' – इन क्रियाओं से वाक्य बनाइए।

✍ अभ्यास – 9 (अव्यय)

5. अव्यय शब्दों से वाक्य बनाइए – भी, ही, तो, ही नहीं

□ सप्ताह 4 : वाक्य, विराम-चिह्न और अशुद्धि-शोधन

✍ अभ्यास – 10 (वाक्य)

1. निम्न शब्दों से सार्थक वाक्य बनाइए – विद्यालय, परिश्रम, सफलता, विद्यार्थी
2. सरल वाक्य और संयुक्त वाक्य में अंतर लिखिए।

✍ अभ्यास – 11 (विराम-चिह्न)

3. उचित विराम-चिह्न लगाइए – (क) वाह कितना सुंदर दृश्य है (ख) राम मोहन और श्याम मित्र हैं

✍ अभ्यास – 12 (अशुद्धि-शोधन)

4. निम्न वाक्यों की अशुद्धियाँ सुधारिए – (क) वह स्कूल जाती है। (ख) मुझे भूख लग रही है।

□ अतिरिक्त कार्य (Optional)

प्रतिदिन 5 नए शब्द लिखकर उनके अर्थ लिखिए।

किसी भी कहानी से 5 संज्ञा और 5 क्रिया शब्द छाँटिए।

शुभकामनाएँ —

Science (Worksheet)

1. Green plants prepare their food by the process called:

- A. Respiration
- B. Photosynthesis
- C. Digestion
- D. Transpiration

2. Which of the following is required for photosynthesis?

- A. Oxygen
- B. Nitrogen
- C. Chlorophyll
- D. Protein

3. Which part of the plant absorbs water and minerals from the soil?

- A. Stem
- B. Leaf
- C. Root
- D. Flower

4. The mode of nutrition in animals is:

- A. Autotrophic
- B. Saprotrophic
- C. Parasitic
- D. Heterotrophic

5. Digestion of food is completed in the:

- A. Stomach
- B. Mouth
- C. Small intestine
- D. Large intestine

6. Which of the following is a good conductor of heat?

- A. Plastic
- B. Wood
- C. Rubber
- D. Copper

7. The SI unit of temperature is:

- A. Celsius

B. Fahrenheit

C. Kelvin

D. Joule

8. Which substance turns blue litmus paper red?

A. Base

B. Acid

C. Salt

D. Water

9. Lemon juice contains which acid?

A. Acetic acid

B. Lactic acid

C. Citric acid

D. Hydrochloric acid

10. Which of the following is a physical change?

A. Burning of paper

B. Rusting of iron

C. Melting of ice

D. Cooking of food

11. Motion of a pendulum is an example of:

A. Circular motion

B. Rectilinear motion

C. Periodic motion

D. Random motion

12. The distance travelled by an object in a unit time is called:

A. Speed

B. Velocity

C. Acceleration

D. Motion

13. Rainwater harvesting helps in:

A. Increasing pollution

B. Saving water

C. Wasting water

D. Causing floods

14. Which gas is essential for respiration?

A. Carbon dioxide

B. Nitrogen

C. Oxygen

D. Hydrogen

15. The process by which plants lose water vapour is called:

A. Respiration

B. Transpiration

C. Photosynthesis

D. Evaporation

16. Which component of blood helps in clotting?

A. RBC

B. WBC

C. Platelets

D. Plasma

SHORT ANSWER QUESTIONS

1. What is photosynthesis?
2. Name the pigment required for photosynthesis.
3. What are heterotrophs?
4. What is ingestion?
5. Name the organ where digestion is completed.
6. What is the function of the large intestine?
7. What is the unit of temperature?
8. Name the instrument used to measure temperature.
9. What are conductors?
10. What is an acid?
11. Name one natural acid.
12. What is a base?
13. What is a physical change?
14. Give one example of a chemical change.
15. Is melting of ice a reversible change? Why?
16. What is speed?
17. Name the SI unit of speed.

Holiday Home Work

Subject - English

Q 1 Read the passage carefully and answer the questions.

In a small hill town surrounded by pine forests, people followed a simple yet disciplined way of life. Every morning, shopkeepers opened their stores before sunrise, and children walked to school along narrow paths. Although modern facilities had reached the town, the residents preferred traditional customs and strong community values. They believed that progress should not come at the cost of kindness and cooperation.

Answer the following questions:

- 1 Where was the town located?
- 2 How did the shopkeepers begin their day?
- 3 What kind of path did children use to go to school?
- 4 Why did the residents prefer traditional customs?
- 5 Find a word from the passage that means “development”.

Q 2 Read the passage carefully and answer the questions.

Technology has changed the way people communicate today. Messages that once took days to arrive can now be sent within seconds. However, this rapid communication has also reduced meaningful face-to-face interactions. Many people spend hours on their devices, unaware of the world around them. It is important to use technology wisely so that it connects people rather than isolates them.

Answer the following questions

- 1 How has technology changed communication?
- 2 What drawback of rapid communication is mentioned in the passage?
- 3 What are many people unaware of while using devices?
- 4 What does the writer advise about the use of technology?
- 5 Pick out one adjective from the passage.

Grammar Section

Q 3 Identify the type of sentence: Assertive, Interrogative, Imperative, or Exclamatory.

- 1 Please submit your assignment by tomorrow.
- 2 How did you solve this difficult problem?
- 3 The train arrived late due to heavy rain.
- 4 What a wonderful performance it was!

Q 4 Fill in the blanks with suitable articles.

- 1 She wants to become ___ engineer in the future.
- 2 ___ honesty is the best policy.
- 3 He adopted ___ stray dog from the street.
- 4 ___ Himalayas are the highest mountain range in the world.

Q 5 Write whether the underlined noun is Abstract, Common, Proper, or Collective.

- 1 The jury announced its decision.
- 2 Happiness cannot be bought with money.
- 3 The river flows through the village.
- 4 Shakespeare wrote many famous plays.

Q 6 Rewrite the sentences by changing the underlined nouns into their plural forms.

- 1 The child is playing in the park.
- 2 A knife was found on the table.
- 3 The mouse ran across the room.
- 4 This story has an interesting ending.

Q.7 Write the opposite gender.

Emperor → _____

Widow → _____

Nephew → _____

Host → _____

Q 8 Fill in the blanks with suitable pronouns.

1 Rina lost ___ notebook yesterday.

2 The teacher called Aman and ___ to the office.

3 This bag is not yours; it is ___.

4 Everyone should complete ___ work on time.

Q 9 Underline the verb and state whether it shows action or state of being.

1 She seems tired after the journey.

2 The athletes practiced hard for the competition.

3 The flowers smell pleasant.

4 He wrote a letter to his friend.

Q 10 Underline the adjectives and write what kind they are (quality, quantity, number).

1 She gave me some useful advice.

2 The brave soldier saved many lives.

3 I have three notebooks in my bag.

4 He showed great patience during the test.

Q 11 Fill in the blanks with the correct form of the verb given in brackets.

1 She ___ (complete) her project before the deadline.

2 They ___ (watch) a movie when I called them.

3 We ___ (visit) Jaipur next month.

4 The sun ___ (rise) in the east.

Q.12 Change the following sentences into passive voice.

1 The teacher explained the lesson clearly.

2 The police arrested the thief.

3 The gardener waters the plants every day.

4 Someone has broken the window.

English literature - Revise Unit 5,6,7 and 8