

Lt. Col. Mehar Little Angels Sr. Sec School

Winter Vacation Holiday Homework

Class VII (2024-25)

ENGLISH

1. Revise second term syllabus done in the copy.
2. Describe your feelings about a family tradition that is special to you in 100-120 words.
3. Revise the grammar subtopics Active-Passive voice, Words often confused , Conjunctions.
4. Write diary entry describing a visit to a mall.

HINDI

* हिन्दी साहित्य व व्याकरण में करवाएँ गए सभी पाठों को पढ़ें और प्रश्न -उत्तर याद करें।

* परियोजना कार्य

मणिपुर व नागालैंड राज्य के संदर्भ में निम्न विषयों पर परियोजना कार्य तैयार करें।

- नामकरण
- कला
- संस्कृति
- खान-पान
- देशभूषा
- बोली, भाषा
- पर्यटन

नोट : दिया गया कार्य ए-4 साइज़ शीट पर बनाकर स्टिक फ़ाइल में लगाकर दें

MATHEMATICS

Do the following assignment on A-4 ruled sheets.

Q1. What sum would yield an interest of Rs.3600 in 3 years at 3% p.a.?

Q2. At what rate per cent per annum will Rs.25000 amount to Rs.33000 in 4 years?

Q3. At what rate per cent per annum will Rs.48000 yield an interest of Rs.750 in $1\frac{1}{2}$ years ?

Q4. In what time will Rs. 400 amount to Rs.512 if the simple interest is the calculated at 14% p.a.?

Q5. A sum amount to Rs. 2400 at 15% simple interest per annum after 4 years. Find the sum.

Q6. Kumar borrowed Rs.20000 from Samar at 8% per annum. After 6 year he cleared the amount by giving Rs. 26000 cash and a watch. Find the cost of the watch.

Q7. In how many years will Rs.4000 yield an interest of Rs. 1120 at 14% simple interest?

Q8. In how many years will Rs.12000 yield an interest of Rs.13230 at 10% simple interest?

Q9. In how many years will Rs. 600 double itself at 10% simple interest?

Q10. At what rate of simple interest will Rs.5000 amount to Rs.6050 in 3 years, 4 months?

Q11. At what rate of simple interest will the sum of money double itself in 6 years?

Q12. At what rate per cent per annum will Rs.4000 yield an interest of Rs.410 in 2 years?

Q13. A ladder 3.7 m long is placed against a wall in such a way that the foot of the ladder is 1.2 m away from the wall. Find the height of the wall to which the ladder reaches.

Q14. The sides of certain triangles are given below. Determine which of them are right triangles.

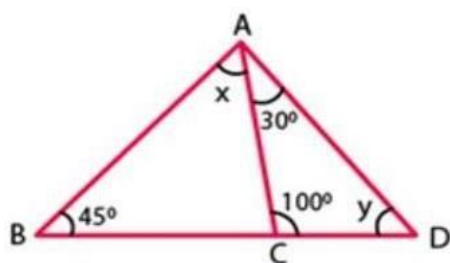
(i) $a = 7$ cm, $b = 24$ cm and $c = 25$ cm

(ii) $a = 9$ cm, $b = 16$ cm and $c = 18$ cm

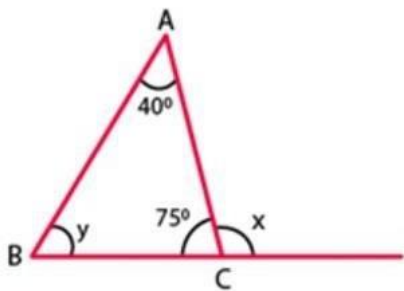
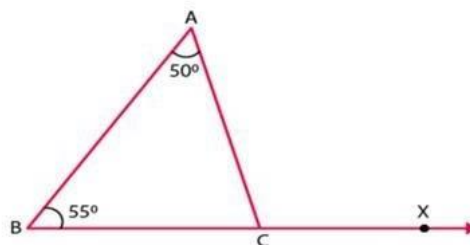
Q15. A man goes 15 m due west and then 8 m due north. How far is he from the starting point?

Q16. The hypotenuse of a triangle is 2.5 cm. If one of the sides is 1.5 cm. find the length of the other side.

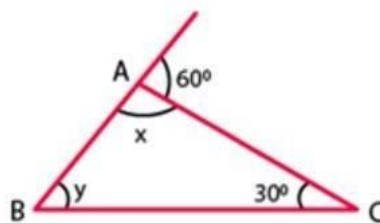
Q17. Find value of missing angles-



(iii)



(i)



(ii)

Q18. If one angle of a triangle is 100° and the other two angles are in the ratio 2: 3. Find the angles

Q19. Take three non-collinear points A, B and C on a page of your notebook. Join AB, BC and CA. What figure do you get? Name the triangle. Also, name

- (i) The side opposite to $\angle B$
- (ii) The angle opposite to side AB
- (iii) The vertex opposite to side BC
- (iv) The side opposite to vertex B.

Q20. Fill in the blanks with the correct word/symbol to make it a true statement:

- (i) A triangle has Sides,vertices and..... angles. (ii)
- A triangle whose no two sides are equal is known as
- (iii) A triangle whose two sides are equal is known as
 - (iv) A triangle whose all the sides are equal is known as
 - (v) A triangle whose one angle is a right angle is known as
 - (vi) A triangle whose all the angles are of measure less than 90° is known as
 - (vii) A triangle whose one angle is more than 90° is known as
 - (viii) An exterior angle is equal to of twoangles.
 - (ix) The length of two sides of a triangle is always.....than third side.
 - (x) The angles opposite to equal sides are.....

SCIENCE

Topic: "Wastewater Story"

Short Answer Questions

1. What is wastewater, and where does it come from?
2. What are the different types of waste water?
3. What happens to wastewater after it leaves our homes?
4. What is the importance of treating wastewater?
5. How can we contribute to reducing wastewater generation?

Essay Questions

1. Describe the journey of wastewater from your home to the treatment plant.
2. Explain the process of wastewater treatment and its significance.
3. Discuss the impact of untreated wastewater on the environment and human health.

Fill in the Blanks

1. Wastewater is also known as _____water.

2. The process of removing pollutants from wastewater is called _____.

3. Wastewater treatment plants use _____ to break down organic matter. True or False

1. Wastewater is only generated from households.

2. Wastewater treatment is not necessary.

3. We can reuse treated wastewater for drinking.

Draw and Label

1. Draw a diagram of a wastewater treatment plant and label its different components.

2. Illustrate the different stages of wastewater treatment.

Case Study

Read the following case study and answer the questions:

A. "Rahul lives in a small town where wastewater is released directly into the nearby river. The river has become polluted, affecting the local wildlife and human health."

1. What are the potential consequences of releasing untreated wastewater into the river?

2. How can Rahul contribute to solving this problem?

B. A small town has a wastewater treatment plant that processes wastewater from households and industries. However, the plant is not functioning properly, and untreated wastewater is being released into the nearby river.

1. What are the potential consequences of releasing untreated wastewater into the river?

2. How can the town improve its wastewater treatment process?

3. What role can individuals play in reducing wastewater generation?

C. A region is experiencing severe water scarcity due to a combination of factors, including climate change, population growth, and inefficient water use.

1. How can individuals and communities conserve water?

2. What role can governments and institutions play in addressing water scarcity?

SOCIAL SCIENCE

1. Find out whether in your city/ town or in neighbourhood there are any temples, Dargahs or Gurudwara associated with Bhakti or Sufi saints. Visit them and pen down the significance of it.
2. List the items of environmental changes in your surroundings. Suggest some measures to control them. Collect some pictures to show the impact of human beings on depilated environment.
3. Prepare 10 MCQ questions, from the chapter "The Flowering of Regional Cultures" in your Social Science notebook.
4. Revise all the syllabus covered till December

SANSKRIT

- 1 स्कुतभाषायाम् काहनहनत् ष्शल काहन स्मरत सहनत्र हनखत हो।
- 2 धातु रूपाहन स्मरत हनखत हो।(पठ्, हनख्, अस्, पहोषु होकारेषु)
- 3 शब्द रूपाहन स्मरत हनखत हो।(होता,राम)

COMPUTER

Make A3 poster on famous mobile Apps.

GENERAL KNOWLEDGE

Prepare a quiz with 10 questions each on:

- Current Affairs
- Indian History
- Famous Personalities

