

holiday homework

CLASS - VII

NAME _____





CLASS - VII
WINTER HOLIDAY HOMEWORK
2022-23

<u>SUBJECT</u>	<u>CONTENT/TOPIC</u>
English (Lang.)	Do the given sheets
English (Lit.)	Revise all the notebook and sheet work. Write about the authors and the poets of the chapters and poem.
Hindi (Lang.)	Do the given sheets
Hindi (Lit.)	Learn Ch- “Bhagti ke Bhav Suman”
Mathematics	Do the given sheets
Physics	Learn and prepare the question answer and sheet work of the chapter Electricity and Magnetism (done in class)
Chemistry	Learn Ch-6 “Metals and Non-Metals” Book Exercise. Do the reading of ch-7 “ Air and Atmosphere”
Biology	Learn Ch- Nervous System. Q/Ans, book exercise and Practice diagrams
HCG - I (History/Civics)	Revise Ch-The coming of the Mughals Ch-The great Akhbar

HCG - II (Geography)	Practice map of multipurpose projects in India Practice diagram of layers of soil
G.K.	Go through weekly Newspaper, select best five news and note down/ paste picture (Five news per week as directed)
Computers	Revise Ch- ▶ Introduction to DBMS ▶ Advanced features of HTML ▶ Number System
Sanskrit	“गम” धातु की लृट् लकार एवं लट लकार के रूप याद करें एवं 1 से 50 तक संस्कृत में गिनती याद करें

English Language Holiday Homework

Q1. Fill in the blanks with suitable modals

1. Carry an umbrella. It _____ rain later. (should, might)
2. I _____ speak English, Hindi, and French. (may, can)
3. _____ you enjoy a happy life. (must, may)
4. We _____ to be careful while driving. (ought to, can)
5. I _____ read without glasses. (should not, cannot)
6. We _____ reach on time. (might, must)
7. People with high cholesterol _____ eat low-fat food. (should, might)
8. We took a wrong turn maybe that man _____ have told us the wrong directions. (should, might)
9. We _____ respect our elders. (might, should)
10. _____ you pay the bill? (can, should)

Q2. Fill in the blanks with the suitable words given below

can, have to, may, might, must, need, should not, not allowed to, cannot

1. He _____ go skating because he broke his leg.
2. Many children in Britain _____ wear school uniforms.
3. I'm not sure but Jane _____ come to visit me this afternoon.
4. Didn't you see the sign? You _____ drive more than 30 miles.
5. He speaks a lot of languages, but he _____ speak Chinese.
6. It looks like it _____ snow.
7. You _____ drive on the right in Britain.
8. He is a good boxer. You _____ be careful.
9. You are _____ smoke in the office.
10. This test will be very difficult. So you _____ learn a lot.

Q3. Fill in the blanks with correct prepositions.

1. He went away _____ four o'clock _____ the afternoon _____ Monday.
2. _____ the evening, there's a great film _____ TV and a comedy programme _____ midnight.
3. I stopped _____ his house _____ the middle _____ a storm to borrow a raincoat.
4. _____ my opinion, you can rely _____ him to come _____ noon.
5. I saw him looking _____ some books _____ the library _____ Saturday. His brother was _____ him.
6. I posted the parcel _____ the main Post Office _____ Market Road.
7. The lamp won't fall because I have twisted the wire _____ that post to keep it _____ position.
8. I was woken up _____ the sound of the radio _____ my brother's room.
9. He was lying injured _____ the field .
10. He was shocked _____ the way _____ when someone called him 'fatty'.

Q4. Rewrite the sentences by adding prepositions wherever required.

1. This material is different that.

2. My penfriend took a long time to reply my letter.

3. I searched my missing pen but could not find it.

4. Please supply us two more typewriters.

5. I am very worried my sister's health.

6. You can wait the bus here.

7. Please hand your exercise books for checking.

8. What word must I look in the dictionary?

9. We set on our journey at six in the morning.

10. You should think about your decision before you hand your resignation.

Q5. Use appropriate punctuation marks in the following sentences.

1. we had a great time in france the kids really enjoyed it

2. some people work best in the mornings others do better in the evenings

3. what are you doing next weekend

4. mother had to go into hospital she had heart problem

5. did you understand why i was upset?

6. it is a fine idea let us hope that it is going to work

7. we will be arriving on Monday morning at least i think so

8. a textbook is the door towards education

9. the girls father sat in a corner

10. john keats wrote poems like to ode byron fancy ode on melancholy etc

Q6. Change the following sentences into passive voice.

1. The police caught a notorious thief.

2. The dog was licking at the strangers passing by.

3. The organiser briefed all the participants about the rules.

4. Someone took Salsa's handbag by mistake.

5. The mechanic has repaired my car.

6. Mother is planting some vegetables at the backyard.

7. The judge will announce the results soon.

Mathematics

Winter Holiday Homework 2022-23

Do 5 Questions each day

1. The length and the breadth of a rectangular plot are 135 m and 65 m. Find, its perimeter and the cost of fencing it at the rate of Rs.60 per m.
2. The length and breadth of a rectangular field are in the ratio 7 : 4. If its perimeter is 440 m, find its length and breadth. Also, find the cost of fencing it @ Rs.150 per m.
3. A wire is in the shape of square of side 20 cm. If the wire is bent into a rectangle of length 24 cm, find its breadth.
4. The length and the breadth of a rectangle are 36 cm and 28 cm. If its perimeter is equal to the perimeter of a square, find the side of the square.
5. The circumference of a circle is 440 cm. Find its radius and diameter. (Take $\pi = 227$).
6. The diameter of a circular field is 56 m. Find its circumference and cost of fencing it at the rate of Rs.80 per m.
7. What percent is?
 - a. 16 hours of 2 days
 - b. 25 cm of 4 metres
 - c. 40 paise of Rs. 2
 - d. 600 gm of 5 kg
8. In a class of 60 children, 30% are girls. How many boys are there?
9. In an election, two candidates A and B contested. A got 60% of the votes. The total votes polled were 8000. How many votes did each get?
10. A person saves 12% of his salary every month. If his savings is **Rs.3,720**, find his monthly salary.
11. What percent of 12 kg is 725 gm?
12. In an examination, the maximum marks are 900. A student gets 33% of the maximum marks and fails by 45 marks. What is the passing mark? Also, find the pass percentage.
13. In a train, 15% people travel in first class, 35% travel in second class. The remaining travel in the A.C. class? If 700 passengers are traveling altogether calculate the number of A.C. class travellers?
14. An old machine is bought for Rs. 1,400 and is sold at a loss of 15%. Find its selling price.
15. The cost price of an article is Rs. 1,200 and selling price is $\frac{5}{4}$ times of its cost price. Find:
 - a. Selling price of the article
 - b. Profit or loss as percent.
16. On selling an article for Rs. 2,640, a profit of 10 percent is made. Find
 - a. Cost price of the article
 - b. New selling price of it, in order to gain 15%.

17. By selling two transistors for Rs 600 each, a shopkeeper gains 20% on one transistor and loses 20% on the other. Find :
- C.P. of each transistor
 - Total C.P. and total S.P. of both the transistors
 - Profit or loss percent on the whole.
18. Find the loss or gain as percent, if the C.P. of 10 articles, all of the same kind, is equal to S.P. of 8 articles.
19. The selling price of an article is 96% of its cost price. Find the loss or the gain as percent on the whole.
20. Find the time in which Rs. 2,000 will amount to Rs. 2,330 at 11% p.a.?
21. Find the sum which will amount to **Rs.7000** in 5 years at 8% rate p.a.
22. In 4 years, Rs.6,000 amount to Rs.8,000. In what time will Rs.525 amount to Rs.700 at the same rate?
23. What sum of money lent out at 5% for 3 years will produce the same interest as Rs. 900 lent out at 4% for 5 years?
24. If two complementary angles are in the ratio 1:5, find them.
25. If $3x + 18^\circ$ and $2x + 25^\circ$ are supplementary, find the value of x.
26. Three angles of a triangle are in the ratio 2:3:7. Find the value of each angle.
27. State, if the triangles are possible with the following angles :
- | | |
|--|---|
| a. $20^\circ, 70^\circ$ and 90° | c. $40^\circ, 130^\circ$ and 20° |
| b. $60^\circ, 60^\circ$ and 50° | d. $125^\circ, 40^\circ$ and 15° |
28. One angle of a triangle is 60° . The, other two angles are in the ratio of 5 : 7. Find the two angles.
29. The ratio between a base angle and the vertical angle of an isosceles triangle is 1 : 4. Find each angle of the triangle.
30. A rectangular field is 100 m by 80 m. Find the ratio of
- | | |
|--------------------------|------------------------------|
| a. Length to its breadth | b. Breadth to its perimeter. |
|--------------------------|------------------------------|
31. The ages of two boys Ashish and Manav are 9 years and 12 years respectively. Divide Rs. 3,150 in the ratio of their ages.
32. A plot of land, 600 sq m in area, is divided between two persons such that the first person gets three-fifth of what the second gets. Find the share of each.
33. The ratio between the prices of a scooter and a refrigerator is 4 : 1. If the scooter costs **Rs.45,000** more than the refrigerator, find the price of the refrigerator.
34. Find the fourth proportional of
- | | |
|-----------------|-----------------------|
| (i) 3, 12 and 4 | (ii) 2.1, 1.5 and 8.4 |
|-----------------|-----------------------|

35. If $x : y - 5 : 4$ and $2 : x = 3 : 8$, find the value of y .

36. Find the value of x , when $2.5 : 4 = x : 7.5$

37. Solve: $35 - [15 + \{14 - (13 + 2 - 1 + 3)\}]$

38. Solve: $45 - [38 - \{60 \div 3 - (6 - 9 \div 3) \div 3\}]$

39. The sum of two integers is 28. If one integer is -45, find the other.

40. What is the excess of 584.29 over 213.95?

41. Which is greater $(5.4 - 0.8)$ $(2.97 + 1.46)$?

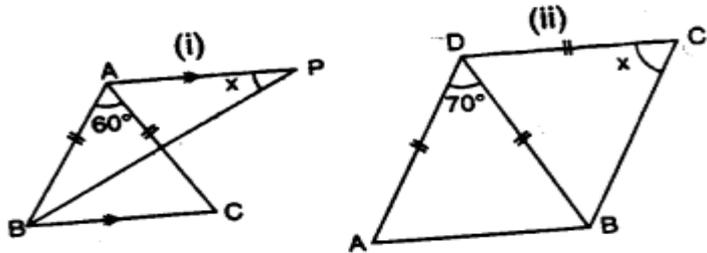
42. Evaluate:

a. $(5.4 - 0.8) + (2.97 - 1.462)$

b. $(6.25 + 0.36) - (17.2 - 8.97)$

43. In Figure (i) BP bisects $\angle ABC$ and $AB = AC$. Find x .

(ii) Given: $DA = DB = DC$, BD bisects $\angle ABC$ and $\angle ADB = 70^\circ$.



44. Write the degree of each of the following polynomials :

a. $3y^3 - x^2y^2 + 4x$

c. $p^3q^2 - 6p^2q^5 + p^4q^4$

b. $-8mn^6 + 5m^3n$

d. $7 - 3x^2y + y^2$

45. Find the sum of:

a. $3x + 8y + 7z$, $6y + 4z - 2x$ and $3y - 4x + 6z$

b. $3a + 5b + 2c$, $2a + 3b - c$ and $a + b + c$.

46. The sides of a triangle are $2x + 3y$, $x + 5y$ and $7x - 2y$, find its perimeter.

47. The two adjacent sides of a rectangle are $6a + 96$ and $8a - 46$. Find its, perimeter.

48. Subtract $(-5a^2 - 3a + 1)$ from the sum of $(4a^2 + 3 - 8a)$ and $(9a - 7)$.

49. Find the excess of $4m^2 + 4n^2 + 4p^2$ over $m^2 + 3n^2 - 5p^2$

50. Find the value of each angle in the given figures:

