



ARMY PUBLIC SCHOOL , CLEMENT TOWN

SUMMER BREAK HOMEWORK

(SESSION-2023-24)

CLASS - VII

Guidelines for students:

1. Ensure timely submission of the given assignment after the school reopens. Remember, a well-presented holiday homework fetches you accolades.
2. Revise all the topics which have been taught by your subject teachers before summer break.
3. Books are companions for lifetime. Read good books, novels, short stories, etc. during your summer break.
4. Take up an activity at home that is joyful and excites you like sketching, painting, learning any musical instrument, gardening etc.

ENGLISH

- **Vocabulary Building** : Find out any 25 words from the chapter : ‘Three Questions’. Also make a sentence using each one of them.
- **Diary Entry** : Maintain a diary and record your daily events, thoughts, feelings for each day from 29th May to 9th July.
- Write a letter to your uncle informing him about your Monthly Assessment Result.
- **Art Integrated Project** :
 - Topic : Travelogue
Travel makes one modest. You see what a tiny place you occupy in this world.
Create a Collage on Famous Tourist Attractions of Uttarakhand and Puducherry using beautiful coloured pictures.
Support the Collage with a document of research of the tourist spot , interesting places, vantage points etc.
- **Book Review** : A list of books is recommended for you below. You must read the stories and make a short video as a book review on one of the below mentioned works :
The Blue Umbrella by Ruskin Bond
A Tale of Two Cities by Charles Dickens
- Make a working model on **Verbs** .
You Tube Link : <https://youtu.be/Fs4QJ5FlugY>
- Make a project on ‘**Life of Karan**’ taking reference from the famous epic Mahabharata.
- **Question Bank** : Frame 10 Multiple Choice Questions from any all chapters completed in class.
- Revise all the topics which were taught in the class.

Note - Do Holiday Homework in a separate notebook except for the Collage.

HINDI

- 1) ‘हम पंछी उन्मुक्त गगन के ‘कविता याद करें और अपनी आवाज में लयबद्ध तरीके से रिकॉर्ड करके हिंदी ग्रुप में भेजें।
- 2) हिंदी वर्णमाला के ‘अक्षर’ क्रम से याद कीजिए।
- 3) प्रत्येक सप्ताह कम से कम दो बार समाचार सुनिए और महत्वपूर्ण समाचारों (कोई पाँच) को चित्र सहित कापी में लिखिए।

- 4) 1-100 तक की गिनती हिंदी में शब्दों में याद कीजिए और उसका उच्चारण सीखिए।
- 5) विद्यालय में हुए बैंगलेस डे कार्यक्रम अथवा ग्रीष्मकालीन अवकाश के दौरान व्यतीत समय में अपने अनुभवों के बारे में सौ शब्दों में लिखिए।
- 6) प्रथम इकाई परीक्षा में आने वाले संपूर्ण पाठ्यक्रम को याद कीजिए।

(नोट - सम्पूर्ण लिखित कार्य एक अलग फाइल में करना है।)

MATHEMATICS



Instructions:

- Do the given work in a separate thin notebook.
- Students must do the solutions of MCQs in the notebook.

ACTIVITY 1: Number line

Choose any one district of Uttarakhand. Note the maximum temperature of the chosen district and also of Puducherry for 7 consecutive days and represent the data on a number line day wise.

ACTIVITY 2: Fraction Robot

Do the following activity on an A4 size sheet and follow the instructions given in the video:

Activity Link - <https://youtu.be/sweaTutmdnE>

1. In addition and subtraction of the integers the sign of answer depends upon _____.

(a) Smaller Number	(b) Their Difference
(b) Their Sum	(d) Greater numerical value
2. Which of the following set of numbers is in descending orders?

(a) 2, -2, 1, -1	(b) 0, 1, 2, 3	(c) 1, 0, -1, -2	(d) -3, -2, -1, 0
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3. Which of the following statements is false?
 - (a) 0 lies to the left of -1
 - (b) 2 lies to the right of 1
 - (c) 1 lies to the right of 0
 - (d) -2 lies to the left of -1

4. Which of the following statements is false?
 (a) $4 > -5$ (b) $-4 < 5$ (c) $4 < -5$ (d) $4 > -5$
5. Identify the property used in the following: $2 \times (8 \times 13) = (2 \times 8) \times 13$.
 (a) Commutative (b) Closure (c) Associative (d) Distributive
6. Choose the appropriate number for the following:
 $-7 - (\quad) = 2$
 (a) 5 (b) -5 (c) 9 (d) -9
7. Which property is reflected in the following: $7 \times 11 = 11 \times 7$?
 (a) Closure (b) Commutative
 (c) Associative (d) Distributive
8. Additive Inverse of (-11) is _____.
 (a) 10 (b) -1 (c) 11 (d) -11
9. Which of the following numbers is to the right of -3 on number line?
 (a) -4 (b) -2 (c) -5 (d) -6
10. Sum of two negative integers is always _____.
 (a) Positive (b) Negative (c) 0 (d) 1
11. On dividing a negative integer by another negative integer , the quotient will be _____.
 (a) Always negative (b) Always positive
 (c) Either positive or negative (d) 1
12. Next three consecutive numbers in the pattern 11, 8, 5, 2, --, --, -- are:
 (a) 0, -3, -6 (b) -1, -5, -8
 (c) -2, -5, -8 (d) -1, -4, -7
13. On the number line, the value of $(-3) \times 3$ lies on right hand side of _____.
 (a) -10 (b) -4 (c) 0 (d) 9
14. $(-10) \times (-5) + (-7)$ is equal to _____.
 (a) -57 (b) 57 (c) -43 (d) 43
15. Height of a place A is 1800 m above sea level. Another place B is 700 m below sea level. What is the difference between the levels of these two places?
 (a) 1100 m (b) 2500 m (c) -1100 m (d) -2500 m
16. By how much does 5 exceed - 4?
 (a) 1 (b) -1 (c) 9 (d) -9
17. $(-35) \times 2 + (-35) \times 8 =$ _____.

(a) -350

(b) -70

(c) -280

(d) 350

18. The sum of two integers is 10. If one of them is negative, the other has to be _____.
- (a) negative (b) positive (c) may be positive or negative (d) none of these
19. Fill in the blank: $(-33) + 48 - (-12) = 48 + \underline{\quad} (-33)$
- (a) -12 (b) 48 (c) 12 (d) 33
20. On a number line, when we subtract a positive integer, we _____.
- (a) move to right (b) move to left
(c) do not move at all (d) none of these
21. A person gains ₹2 after selling a shirt and loses ₹3 after selling a jean. If he sells 8 shirts and 5 jeans his profit or loss is
- (a) profit of ₹1 (b) Loss of ₹1 (c) -2 (d) Neither profit nor loss
22. An insect crawls up 5 cm every second on a 60 cm vertical road and then falls down 2cm over the next second. How many seconds will it take to climb the road?
- (a) 39 (b) 40 (c) 60 (d) 30
23. Place A is 45 m above a sea level and place B is 25 m below sea level. What is the difference of level in meters between A and B?
- (a) 70 (b) 20 (c) 60 (d) -20
24. Identify the property used in the following: $2 \times 13 + 8 \times 13 = (2 + 8) \times 13$
- (a) Distributive (b) Associative (c) Closure (d) Commutative
25. Manish deposits ₹ 2000 in his bank account and withdraws ₹ 1000 from it, the next day. Find the balance in Manish's account.
- (a) ₹2000 (b) ₹3000 (c) ₹1000 (d) none of these

CASE STUDY BASED QUESTIONS

- Q1. In an objective type test a student is to be awarded +5 marks for every correct answer, -5 for every incorrect answer and zero for not writing any answer.
- (i) Rohan had done 19 correct answers and 4 incorrect answers. What is the final score of Rohan?
- (ii) If Ravi had attempted 25 questions out of which 17 questions are correct and scored 60 marks, for how many questions Ravi did not write any answer?
- (iii) Vaishnavi scores -15 marks, though she has got 9 correct answers. How many questions had she attempted incorrectly?
- Q2. A shopkeeper earns a profit of ₹9 by selling a packet of sketch colors and incurs a loss of ₹4 per packet of pencil colors while selling.
- (i) In a month of May she sold 24 packets of sketch colors and 13 packets of pencil colors. How much profit or loss did she have in May?
- (ii) In next month she earns neither profit nor loss. If she sold 18 packets of pencil colors, how many packets of sketch colors did she sell?
- (iii) If she gains ₹60 after selling 12 packets of pencil colors, how many packets of sketch colors did she sell?

CHAPTER – FRACTIONS AND DECIMALS

MCQs

Q1. Savita is dividing 98 kg of sweets equally among her seven friends. How much does each friend receive?

- (a) 34 kg (b) 14 kg (c) 12 kg (d) 328 kg

Q2. If three-fourth of a number is 12, the number is:

- (a) 9 (b) 16 (c) 18 (d) 32

Q3. Product of fractions $\frac{2}{7}$ and $\frac{5}{9}$ is:

- (a) $\frac{2 \times 5}{7 + 9}$ (b) $\frac{2 + 5}{2 + 9}$ (c) $\frac{2 \times 9}{5 \times 7}$ (d) $\frac{2 \times 5}{7 \times 9}$

Q4. Given that $0 < p < q < r < s$ and p, q, r, s are integers, which of the following is the smallest?

- (a) $\frac{p + q}{r + s}$ (b) $\frac{p + s}{q + r}$ (c) $\frac{q + s}{p + r}$ (d) $\frac{r + s}{p + q}$

Q5. Select the next number in the pattern 60, 30, 15, _____ .

- (a) 10 (b) 5 (c) $15/4$ (d) $15/2$

Q6. The decimal expression for 8 rupees 8 paise (in Rupees) is:

- (a) 8.8 (b) 8.08 (c) 8.008 (d) 88.0

Q7. Each side of a regular hexagon is 3.5 cm long. The perimeter of the given polygon is _____.

- (a) 17.5 cm (b) 21 cm (c) 18.3 cm (d) 20 cm

Q8. $2.5 \div 1000$ is equal to

- (a) 0.025 (b) 0.0025 (c) 0.2500 (d) 25000

Q9. Which of the following has the largest value?

- (a) $\frac{32}{0.05}$ (b) $\frac{0.320}{50}$ (c) $\frac{3.2}{0.05}$ (d) $\frac{3.2}{50}$

Q10. The largest of the following is:

- (a) 0.0001 (b) $\frac{1}{1000}$ (c) $\frac{0.100}{2}$ (d) $\frac{1}{10} \div \frac{1}{10}$

Q11. What is the reciprocal of $\frac{7}{3}$?

- (a) $\frac{3}{7}$ (b) $\frac{7}{3}$ (c) 3 (d) 7

Q12. Three boys earned a total of ₹ 235.50. What was the amount earned by each boy?

- (a) ₹ 78.5 (b) ₹ 70.5 (c) ₹ 67.09 (d) ₹ 56.08

Q13. $\frac{2}{5} \times 5\frac{1}{5}$ is equal to _____.

- (a) $\frac{26}{25}$ (b) 6 (c) $\frac{2}{5}$ (d) $\frac{52}{25}$

Q14. $3\frac{3}{4} \div \frac{3}{4}$ is equal to _____.

- (a) 3 (b) 4 (c) 5 (d) 45/16

Q15. The product of $\frac{11}{13}$ and 4 is _____.

- (a) $3\frac{5}{13}$ (b) $5\frac{3}{13}$ (c) $13\frac{3}{5}$ (d) $13\frac{5}{3}$

Q16. $\frac{1}{5} \div \frac{4}{5}$ equal to:

- (a) $\frac{4}{5}$ (b) $\frac{1}{5}$ (c) $\frac{5}{4}$ (d) $\frac{1}{4}$

Q1

7. The product of 0.03×0.9 is:

- (a) 2.7 (b) 0.27 (c) 0.027 (d) 0.002

Q18. $\frac{5}{7} \div 6$ is equal to:

- (a) 30/7 (b) 5/42 (c) 30/42 (d) 6/7

Q19. $\frac{3}{7}$ of $\frac{2}{5}$ is equal to

- (a) 5/12 (b) 5/35 (c) 1/35 (d) 6/35

Q20. On dividing 7 by $\frac{2}{5}$, the result is

- (a) 14/2 (b) 35/4 (c) 14/5 (d) 35/2

Q21. The lowest form of the product $2\frac{3}{7} \times \frac{7}{9}$ is

- (a) 119/63 (b) 17/9 (c) 17/7 (d) 7/9

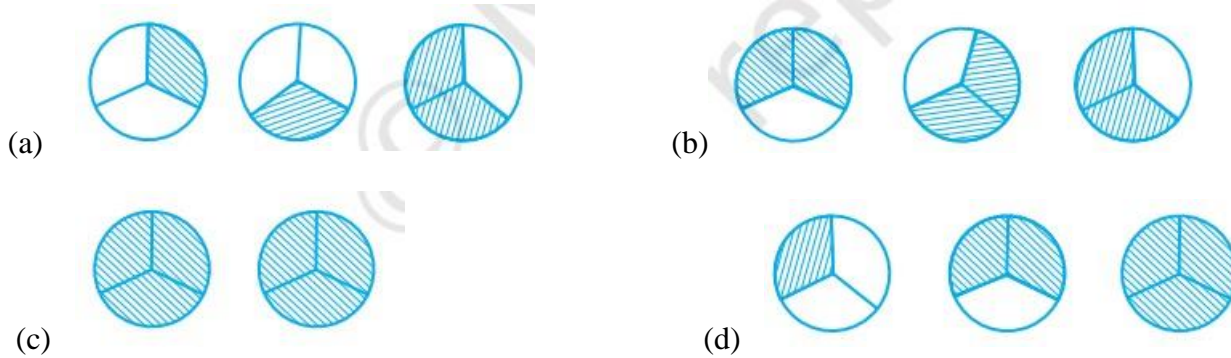
Q22. $52.7 \div \text{_____} = 0.527$

- (a) 10 (b) 1000 (c) 100 (d) 10000

Q23. $0.5 \underline{\hspace{1cm}} 0.7 = 0.35$

- (a) + (b) - (c) x (d) ÷

Q24. Pictorial representation of $3 \times \frac{2}{3}$ is:



Q25. Kavita had a piece of rope of length 9.5 m. She needed some small pieces of rope of length 1.9 m each. How many pieces of the required length will she get out of this rope?

- (a) 2 (b) 3 (c) 4 (d) 5

Case Study Based Questions

Q1. Shalini, Amber and Anant had dinner together. The bill for the dinner was Rs 3277.50. They divided it among themselves. They ate some starters, some drinks and the main course in the dinner.

- a) How much did each one pay if they divided the bill equally?
- (b) What amount is paid for the main course if one-third of the bill was for drinks and one-fifth was for the starters?
- (c) During the dinner, they ordered six glasses of drinks. Amber had half of them and Shalini had one-third of them. Anant had the rest of them. How many glasses did Anant drink?

Q.2. **An online game has 50 levels. A gamer is in the Gold team until he cross $\frac{3}{4}$ of the total levels. After that he is in the Platinum team.**

This table shows the rewards unlocked after completing various levels.

Levels completed	Rewards
More than or equal to $\frac{4}{5}$ levels	Jeep
More than $\frac{3}{5}$ levels but less than $\frac{4}{5}$ levels	Dress
More than $\frac{2}{5}$ levels but less than $\frac{3}{5}$ levels	Face mask
More than $\frac{1}{5}$ levels but less than $\frac{2}{5}$ levels	Badge

- (a) If Mita completed 37 levels, which reward would she get?
- (b) If Manav is at level 15 in the game, in which team would he play?

SCIENCE

1.	ACTIVITY: Categorize plants and animals found in Uttarakhand and Puducherry. Make a scrap book and list plants and animals, paste their pictures, identify their names and write their characteristics.
2.	Art Integrated Project- Make a model of Human digestive system using simple domestic items, with our own innovation and creativity.
3.	Do an activity to show that sunlight is necessary for photosynthesis by taking two potted plants of same kind. Keep one in the dark for three days and the other in sunlight. Make your observation by iodine test and record in activity notebook.
4.	“Creation of question bank”- Frame 10 Multiple Choice Questions, Five subjective questions and answers from each Chapter-1 to 3 on your own, other than given in text book exercises. And write these in the notebook.

Note-

1. Written work to be done in fair science notebook and for the explanation of answers, related diagrams may be used.
2. Revise question-answers and exercises done in class.

SOCIAL SCIENCE

1. Do a comparative study of **Uttarakhand and Puducherry** on **any one topic** given below:

- A. Physical features
- B. Tourist places

Use A4 size plain sheets . Also paste pictures.

2. **Art Integrated Project:** Make an eco friendly model of a volcano (do not use plastic or thermocol) {Refer Chapter 3 Earth Movements in Geography}

3. **Frame 10 MCQs** from any two chapters completed in class. Write them in respective subject notebook

4. Revise questions-answers and exercises done in class

SANSKRIT

1. सुभाषितानि से कोई भी पाँच श्लोक लिखकर उनका हिन्दी अनुवाद आकर्षक ढंग से लिखिए।
2. “स्वावलंबनम् “ पाठ के आधार पर 1 से 100 तक संस्कृत में संख्या लिखिए।
3. कोई भी पांच फलों के चित्र बनाकर संस्कृत में उनका नाम भी लिखिए।
4. “दुर्बुद्धिः विनश्यति” पाठ का सचित्र वर्णन अपने शब्दों में लिखिए।
5. पाठ-1,2,3 से संबंधित अभ्यास कार्य को संस्कृत की कार्य-पुस्तिका दिव्यम् में हल कीजिए।
6. सुभाषितानि के कोई भी चार श्लोकों का सस्वर वाचन करते हुए दो मिनट का विडियो बनाकर अपने

संस्कृत शिक्षक या शिक्षिका को प्रेषित करेंगे ।

नोट- 1- लेखन में शुद्धता का विशेष ध्यान देंगे ।

2- प्रश्न 1, 2, 3, 4 तथा 5 को गृहकार्य की उत्तर-पुस्तिका में लिखेंगे ।

3- उत्तर-पुस्तिका में अपना नाम कक्षा तथा वर्ग अवश्य अंकित करेंगे ।

COMPUTER SCIENCE

Q1. Do the following Conversion Activity in your computer notebook.

a) Decimal to Hexadecimal

- 2568
- 1001
- 99
- 189

b) Binary to Decimal

- 1100
- 111010
- 100100
- 0001110

Q2. Create a chart on types of operators used in Python. Students will use black chart paper only and use the cut outs of operators with highlighted colors.

Q3. Learn chapters 1 and 9 and write all the doubts in computer notebook.

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