

**DELHI PUBLIC SCHOOL NAGBANI, JAMMU (WEST)**

**SESSION :2023-24**

**GRADE :VII**



Dear parents,

Vacation is the time for children to explore their myriad interest and indulge in various activities which lead to their all - round development. Summer vacation is the most awaited time for both parents as well as students. It's the time to relax and enjoy and making it interesting and fruitful too.

Here are few tips for parents to act as a felicitator to help your child in balancing his/ her eagerness in pursuing adventure, creativity and self expression with development of responsibility.

1. Make sure you are spending quality time with your ward.
2. Teach them the importance of moral values in their life.
3. Motivate them to read good books.
4. Encourage and help your child in shouldering responsibilities in household chores.

5. Encourage the child to speak simple sentences in English.

6. Revise the work done in class.

7. Holiday homework must be done in a neat and presentable manner.

### HOLIDAY HOMEWORK

### ENGLISH :

- Read a novel written by R.K Narayan and write the character sketch of any one character that you liked the most. (60-80 words)
- Make a collage of the people whom you admire and also write about their achievements in their respective fields (15-20 words)
- Learn Understanding Words Better from your Mastering Grammar from 1 to 17 given at page number 173-174.
- Read the lesson 2 and 3 from Longman Reading Comprehension and Composition and do the exercises in the book.

### HINDI

1. नदियों के परोपकारी स्वभाव व हिमालय की विशिष्टताओं पर स्वरचित चार नारे लिखकर प्रस्तुति करें।
2. जीवनदायिनी नदियों की स्वच्छता बनाए रखने के लिए चित्र सहित सुझाव।
3. ऐसे मुहावरे। लोकोक्तियाँ तलाशें जिनमें निम्नलिखित शब्द प्रयुक्त हुए हो।  
गंगा, पहाड़, सागर, पानी, बबुला, गागर, तारा, चाँद, ईंट।
4. हिंदी भाषा के शुद्ध उच्चारण सीखने हेतु हिंदी में गिनती लिखें व याद करें। (एक से पचास)

## URDU :

جماعت: ساتویں

1:- نظم گرمی کا موسم زبانی یاد کریں۔ اور سبق فلسفی نوکر کے چھ صفے اپنی کاپی پر لکھیں۔

2:- سبق فلسفی نوکر کے الفاظ معنی لکھیں اور ان کے جملے بنائیں۔

3:- ہمیں بڑوں کا کہنا کیوں ماننا چاہیے اپنے الفاظ میں چند جملے لکھیں۔

4:- مضمون "علم کے فائدے" پر نوٹ لکھیے اور یاد کریں۔

5:- مذکر کے مونث اور مونث کے مذکر لکھیں۔

دھوبی، شیرنی، ظالم، گوالن، چڑا

6:- واحد کے جمع اور جمع کے واحد لکھیں۔

جسم، مذاہب، مساجد، عادت، لوہارن، دفتر۔

7:- اسم علم کی قسمیں یاد کریں اور لکھیں۔

## MATHS

1. Draw a big Square. Convert into four small square by proper folding activity. Now we can see each part is  $\frac{1}{4}$  of the whole.

Again you can divide figure into other parts as dissected in the figure and decide the value each part.

16-30 Fruit Basket

S.N O	Name of fruit	Price in current	Price in previous week
1	Fruit of your choice		

Which of the fruit show?

1. Max. Difference in price of current week and price of previous week.
2. Minimum difference in price of current week and price previous week.
3. Write and learn table 2 to 20 (Write in your H.W note book).

Do the practice of following question and write in your H.W note book.

(i)  $0.7 \div 10$       (ii)  $273.23 \div 100$

(iii)  $98.73 \div 1000$       (iv)  $7.75 \div 0.25$

4. How many meters are there in 6728 cm.

5. How many decimeters are there in 23.7 cm/

6. How many milliliters are there in 6.1072 liters.

7. Simplify  $8 \div 3.2 + 35.8 - 3.50/3$

8. The product of two chemical is 2.4068. If one of them is 0.16. Find the other.

9. A batsman scored the following number of runs in six innings:

36, 35, 50, 46, 60, 55.

Calculate the mean runs scored by him in an innings.

10. Find the mean of first five whole numbers, Natural numbers and composite number (Whole than two factors)

11. Organize the following marks in a class assessment in a tabular form.

4, 6, 5, 3, 5, 4, 5, 2, 6, 2, 5, 1, 9, 6, 5, 8, 4, 6, 7,

Number	Tally mark	Frequency	
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(i) Which number is highest ?

(ii) Which number is lowest?

(iii) What is the range of the data?

(iv) Find the arithmetic mean.?

## SCIENCE

- Students will make Indicators (From turmeric water and from beat root juice) to detect if some liquid is acid/base type and they will make short videos/clips of the work.

**Procedure:** Use turmeric paste on pieces of paper strips and dry them to make some litmus paper strips. You should day them so that they can be stored and can be used in future when you want.

- You may use lemon juice, vinegar, as acids
- Soap water, washing soda, baking soda bleach as alkali
- Make 10 strips at least and write a short report about your work on this.
- You can also prepare hibiscus petal juice as an indicator.
- Identify the common household acidic and basic liquid using litmus paper indicator prepared by you and make a short videos of your findings.

## SOCIAL SCIENCE

### Make a project file

- a. Read chapter-5 (Medieval Architecture). Choose any five monuments from the medieval period and do research about them, from the emperor who got it constructed to the architectural details. Stick with pictures to give visual expression to your write-up.
- b. Explore the monuments printed on India currency (Rs10, Rs20, Rs50, Rs100, Rs200, Rs500 and Rs2000). Write its characteristics.
- c. Collect the image of different transport systems and paste them. Select at least two photographs of each transport system (like two images of road transport and two images of water transport etc.). Select suitable headings and write few lines against each.

• HOW DOES G20 PRESIDENCY STEER THE G20 AGENDA? WRITE AN ARTICLE IN YOUR SOCIAL SCIENCE NOTEBOOKS.

## ARTIFICIAL INTELLIGENCE

Q1. Research and write a short paragraph explaining the importance of the number system in computing. Include information about different number systems used in computing, such as binary, decimal, and hexadecimal, and their applications.

Q2. Convert the following decimal numbers to binary:

a. Decimal number: 25

b. Decimal number: 63

c. Decimal number: 128

Q3. Convert the following binary numbers to decimal:

a. Binary number: 11001

b. Binary number: 101011

c. Binary number: 111000

Q4. Research and write a brief explanation of computer networks. Include the definition of a computer network, types of networks (such as LAN, WAN, and MAN), and their advantages.

Q5. Design a network diagram for a small local area network (LAN) setup. Include at least three computers connected to a central server or switch. Label the components and indicate the type of connection (wired or wireless) used.



Happy

Holidays !

