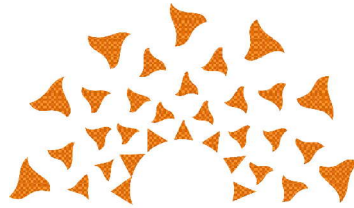


# OPEN MINDS - A BIRLA SCHOOL

KANKARBAGH, PATNA



**OPEN MINDS**

**A BIRLA SCHOOL**

KANKARBAGH, PATNA

## SUMMER VACATION HOLIDAY HOMEWORK

GRADE - 4

NAME : .....

CLASS : ..... SECTION : .....

ROLL NO. : ..... SUBJECT : EVS

**QI. Answer the following questions:**

1. What is a joint family?

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2. What is reproduction?

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3. Name any two animals which lays eggs.

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**QII. Match the following:**

- a. immediate family
- b. joint family
- c. orphanage
- d. extended family
- e. reproduction

- i. creating another living being
- ii. uncles,aunties and cousins
- iii. all living together
- iv. parents and children
- v. home to those children whose parents are not alive.

**QIII. Fill in the blanks:**

1. There are \_\_\_\_\_ molars and \_\_\_\_\_ premolars.
2. There are \_\_\_\_\_ milk teeth and \_\_\_\_\_ permanent teeth.
3. Saliva contains \_\_\_\_\_.
4. \_\_\_\_\_ churns the food and makes it into a paste.

**QIV. Answer in one word:**

1. Geeta is eating pizza. Which body system do you think will be involved in this process?  
\_\_\_\_\_
2. Which type of food keeps us healthy?  
\_\_\_\_\_
3. Minu touched a hot cup of coffee. He immediately pulled back his hand. Which body system do you think made him pull his hand?  
\_\_\_\_\_
4. Which body system helps in removal of waste products from the body?  
\_\_\_\_\_

**QV. Draw a diagram showing the different taste zones on the tongue.**

OPEN MINDS

PROJECT WORK

**QVI. Make a model of digestive system.**

NAME : .....

CLASS : ..... SECTION :

ROLL NO. : ..... SUBJECT : ICT

1. **Knowing the Generations of Computers.**

| Generation | Period         | Devices used             |
|------------|----------------|--------------------------|
|            | 1940-1956      |                          |
| 2nd        |                | Transistors              |
|            |                | Integrated circuits(ICs) |
| 4th        | 1971 till date |                          |
| 5th        |                |                          |

2. **What is a computer?**

The word computer comes from the word \_\_\_\_\_ which means \_\_\_\_\_.

It is an \_\_\_\_\_ device. It works in \_\_\_\_\_ cycle.

3. **A glance to your computer:**

- i. \_\_\_\_\_ was the first mechanical calculating machine.
- ii. \_\_\_\_\_ was the second mechanical device.
- iii. \_\_\_\_\_ was known as the father of the computer.
- iv. The digits 0 and 1 are known as \_\_\_\_\_ in computer.
- v. A Computer works in an \_\_\_\_\_ cycle.
- vi. \_\_\_\_\_ device inputs data to the computer.
- vii. \_\_\_\_\_ and \_\_\_\_\_ are Input devices.
- viii. \_\_\_\_\_ is a pointing device.
- ix. \_\_\_\_\_ and \_\_\_\_\_ are Output devices.
- x. A print out is a \_\_\_\_\_ copy of our work.

4. On an A4 sheet of paper, prepare a chart on **Generations of Computers - Their devices used.**
5. Read Chapter 1 & 2 thoroughly and mark difficult words. Learn exercises and in between content from the chapters of the book. Learn notebook contents.
6. Draw a picture of **Keyboard** on an A4 sheet.
7. Write about various keys of Keyboard in MS - Word. Also write the shortcut keys in the same file. **Take a hardcopy of your file.**

NAME : .....  
CLASS : ..... SECTION : .....  
ROLL NO. : ..... SUBJECT : ELA

1) **Poem on Mother**

**PRECIOUS TIME TOGETHER**

"Can we help in the kitchen?"

"Can we watch you cook?"

I'd rather do this myself,

Then I stop and look

At the innocent faces

So eager to learn.

Selfish, no more,

For now it's their turn.

Clothes will get dirty,

Dust will appear,

Chores never ending

Year after year.

One morning the sun will rise,

They'll wake with elation.

For they've grown and matured,

Today is graduation.

No longer will they need me

To plan their day.

The years must have flown

And now they're on their way.

Yet I wake from a dream,

Time is on my side.

They're still little angels

Needing me to guide.

So I say to them,

"I'll play and read books.

I'll teach you to be

Great little cooks."

For as you grow  
And think of your Mother,  
Remember my love for you  
Is like no other.  
Lauren Swalberg

## 2) Poem on Friendship

### BLESSED THE ONE

Blessed the one who realizes  
I need a helping hand to-day  
Blessed the one who recognizes  
My needs and turns not his face away  
Blessed the one who brightens my day  
When I'm lonely, sad or bored  
Blessed the one who shows me the way  
Smoothing the ground on this stretch of road  
Blessed the one who makes me smile  
When the day seems dull and dreary  
Blessed the one who stops awhile  
To say hello and chat with me  
Blessed the one who brings me comfort  
And reminisces about the good old days  
Blessed the one whose moral support  
Provides me strength in times of dismay  
Blessed the one who understands  
My infirmity and helps me with my load  
Blessed the one who is still my friend  
Though gifts and treats I can't afford  
Blessed the one who thinks I'm useful  
Encouraging me with hopeful words  
Blessed the one who boosts my morale  
When with problems I'm fraught  
Blessed the one who listens to me  
And makes me feel relevant

Blessed the one who believes in me  
That I'm not antediluvian  
Blessed the one who walks with me  
On this lap of life's journey  
Blessed the one who prays for me  
That in mind and body I'm healthy  
Thank you friend for being there  
At the time and place I need you  
Be it balmy or blustery the weather  
My journey is easier because of you

**Emile S.T.Cheng**

2) **Learn the idioms and their meanings:-**

1. 'The best of both worlds' - means you can enjoy two different opportunities at the same time.  
"By working part-time and looking after her kids two days a week she managed to get the best of both worlds."
2. 'Speak of the devil' - this means that the person you're just talking about actually turns up at that moment.  
"Hi Tom, speak of the devil, I was just telling Sara about your new car."
3. 'See eye to eye' - this means agreeing with someone.  
"They finally saw eye to eye on the business deal."
4. 'Once in a blue moon' - an event that happens infrequently.  
"I only go to the cinema once in a blue moon."
5. 'When pigs fly' - something that will never happen.  
"When pigs fly she'll tidy up her room."
6. 'To cost an arm and a leg' - something is very expensive.  
"Fuel these days costs an arm and a leg."
7. 'A piece of cake' - something is very easy.  
"The English test was a piece of cake."
8. 'Let the cat out of the bag' - to accidentally reveal a secret.  
"I let the cat out of the bag about their wedding plans."
9. 'To feel under the weather' - to not feel well.  
"I'm really feeling under the weather today; I have a terrible cold."
10. 'To kill two birds with one stone' - to solve two problems at once.  
"By taking my dad on holiday, I killed two birds with one stone. I got to go away but also spend time with him."

11. 'To cut corners' - to do something badly or cheaply.  
"They really cut corners when they built this bathroom; the shower is leaking."
12. 'To add insult to injury' - to make a situation worse.  
"To add insult to injury the car drove off without stopping after knocking me off my bike."
13. 'You can't judge a book by its cover' - to not judge someone or something based solely on appearance.  
"I thought this no-brand bread would be horrible; turns out you can't judge a book by its cover."
14. 'Break a leg' - means 'good luck' (often said to actors before they go on stage).  
"Break a leg Sahil, I'm sure your performance will be great."
15. 'To hit the nail on the head' - to describe exactly what is causing a situation or problem.  
"He hit the nail on the head when he said this company needs more financial support."

3) **Read the comprehension passage carefully and answer the questions.**

**Emperor Penguins**

The Emperor Penguin is the world's largest and tallest penguin. It is also the heaviest penguin, with some individuals recorded at nearly 100 pounds. Adults have a black head, back, tail, and black wings. The underparts are dingy white. The sides of the neck are marked with a large golden or yellow stripe. In addition, there is a varying amount of gold on the upper breast. Like most penguins, the Emperor Penguin has thick, waterproof feathers that cover the entire body except for the bill and feet. Emperor Penguins normally live about 20 years in the wild, though some individuals have been recorded at 40 years of age.

They eat crustaceans, krill, and small fish. Emperor Penguins will dive to depths of 800 feet in search of food. Most dives last 3-6 minutes. Sharks, Leopard Seals and Orcas are their predators. Chicks are vulnerable to predation from South Polar Skuas.

The Emperor Penguin is found throughout the Antarctic perimeter. It is the only species of penguin to breed during the Antarctic winter. Breeding takes place about 60 miles from the coast in the Antarctic interior, where temperatures regularly drop to -40 degrees Celsius. The trek from the Antarctic coastline to the breeding grounds was the inspiration for "March of the Penguins".

Female Emperor Penguins lay a single egg in May or June. After the egg has been laid, the female must immediately feed in the ocean. First, the egg is carefully transported to the male, who incubates the egg under a brood patch that rests above the feet. Occasionally, the transfer is unsuccessful and the egg rolls onto the ice and instantaneously freezes. The male will incubate the egg for up to 65 days! During this time, he will not eat a single meal. On particularly cold days, hundreds of male penguins may gather together in a compact huddle to warm themselves in the pounding Antarctic winds. In about two months, the female returns and locates her mate and chick by sound. She regurgitates food stored in her stomach to feed the growing chick. The male then takes his turn feeding in the ocean and returns after about a month, at which point both parents tend to the chick by regurgitating food and keeping it off the ice. Once the chick is about seven weeks old, it joins other chicks in a creche (huddle) to keep warm.

- 1.) **What color is the tail of the Emperor Penguin?**  
A. Yellow    B. Black    C. White    D. Orange
- 2.) **Which of the following is NOT true?**  
A. The male incubates for more than two months without eating.  
B. The female lays an egg during the Antarctic winter.  
C. Sometimes, the egg transfer from the female to male results in the egg freezing.  
D. After the female lays the egg, the male must immediately feed in the ocean.
- 3.) **Which of the following scenarios is unlikely?**  
A. Finding an Orca that has just eaten an Emperor Penguin.  
B. Finding an Emperor Penguin weighing 80 pounds  
C. Finding an Emperor Penguins after it has been underwater for 10 minutes.  
D. Finding an Emperor Penguin that is 80 years old.
- 4.) **Which of the following is NOT part of the diet of the Emperor Penguin?**  
A. Krill            B. Crustaceans    C. Fish            D. Insect
- 5.) **Where do Emperor Penguins breed?**  
A. In the water    B. South America    C. Antarctic Interior    D. Along the coast
- 6.) **How many eggs are laid by the female Emperor Penguin?**  
A. 0                B. 3                C. 1                D. 2
- 7.) **Which of the following animals only preys on Penguin chicks?**  
A. Seals            B. Sharks            C. Skuas            D. Orcas
- 8.) **Select all of the following that are TRUE.**  
A. After the egg is laid, the male goes off to the sea first.  
B. The female locates her chick by sound.  
C. Both parents will feed chicks by regurgitating food.  
D. The female locates her chick by sight.

4) **Choose whether the following nouns are concrete or abstract nouns.**

1. love \_\_\_\_\_
2. book \_\_\_\_\_
3. girl \_\_\_\_\_
4. intelligence \_\_\_\_\_
5. mouse \_\_\_\_\_
6. loyalty \_\_\_\_\_
7. laptop \_\_\_\_\_
8. peace \_\_\_\_\_
9. table \_\_\_\_\_
10. desk \_\_\_\_\_



11. teacher \_\_\_\_\_
12. anger \_\_\_\_\_
13. beauty \_\_\_\_\_
14. picture \_\_\_\_\_
15. wall \_\_\_\_\_
16. confidence \_\_\_\_\_
17. bottle \_\_\_\_\_
18. trust \_\_\_\_\_
19. sofa \_\_\_\_\_
20. chair \_\_\_\_\_

5) **Fill in the blanks with the conjunctions given below.**

while            when            as  
because        since            for

- a. She stole the money \_\_\_\_\_ her brother needs to pay his school fees.
- b. \_\_\_\_\_ we were in New Zealand, we visited many orchards.
- c. \_\_\_\_\_ I am on leave tomorrow, there will be no English lesson.
- d. He came home dripping wet \_\_\_\_\_ it was raining heavily at school.
- e. \_\_\_\_\_ I was passing his house, I heard a loud scream.
- f. \_\_\_\_\_ the teacher was busy writing on the board, the students at the back of the class were talking rather loudly.

6) **Write 5 lines/sentences everyday in your English Writing notebook , mention the dates.**

7) **Read four pages daily from the following English text books-**

1. James And the Giant Peach
2. Oliver Twist
3. Cambridge
4. Global English

NAME : .....

CLASS : ..... SECTION :

ROLL NO. : ..... SUBJECT : MATHS

- 1) Learn the tables 2 to 20.
- 2) Use matchsticks to represent the Roman numerals 1 to 20 on a coloured chart paper.
- 3) Arrange the following numbers in columns according to the place value and add/ subtract.

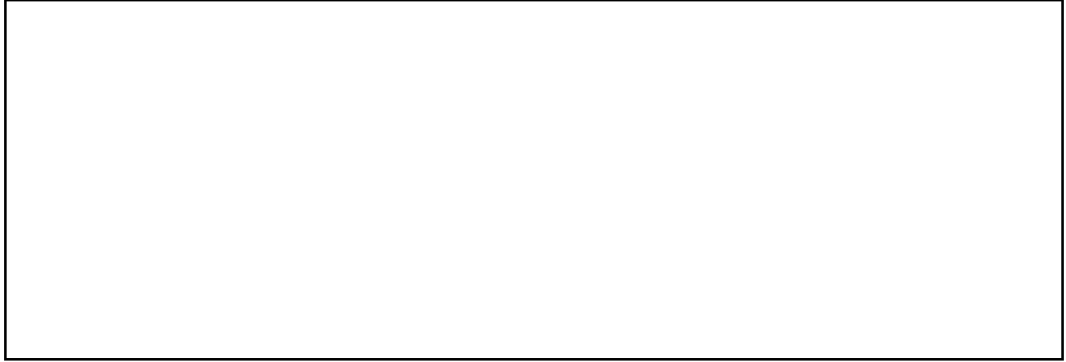
Ex-656573+213563

|   | L | TTh | Th | H | T | O |
|---|---|-----|----|---|---|---|
|   | 6 | 5   | 6  | 5 | 7 | 3 |
| + | 2 | 1   | 3  | 5 | 6 | 3 |
|   | 8 | 7   | 0  | 1 | 3 | 6 |

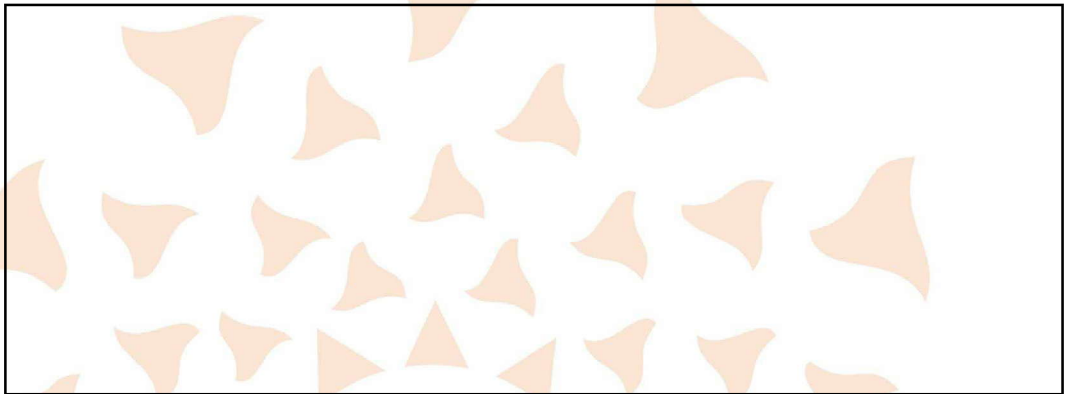
a) 560078+231450

b) 876217+458971

c) 435678-230098



d) 987654-390898

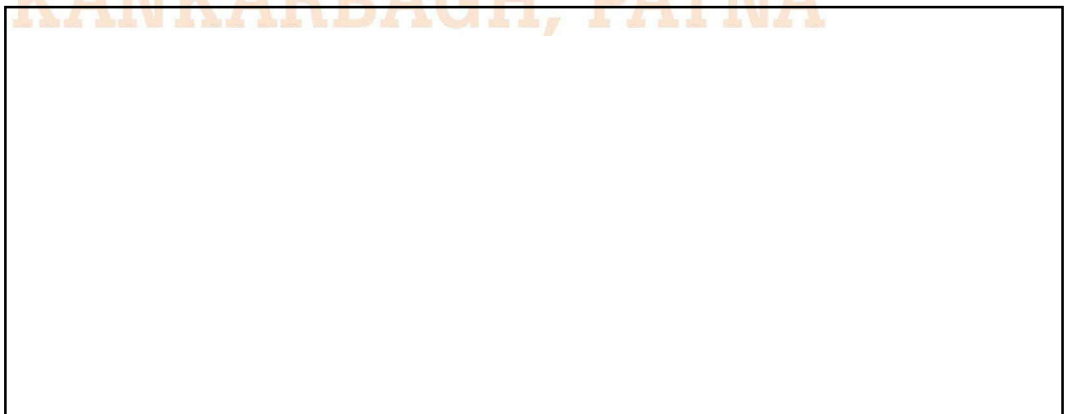


e) 765444-378921



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f) 754560+343489



4) **Divide to find quotient and remainder and verify;**

Ex--724÷4

4)724(181

-4

32

-32

4

-4

0

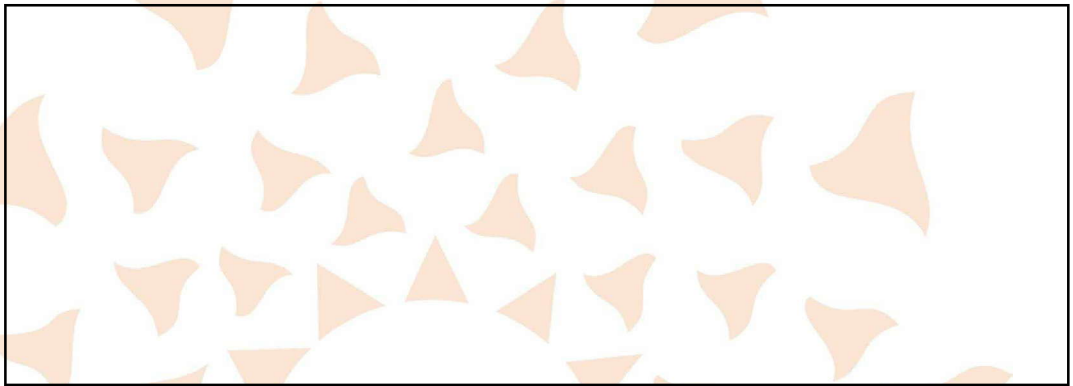
verification;

dividend=724, divisor=4, quotient=181,remainder=0

dividend=quotient X divisor + remainder

=181 X4+0=724

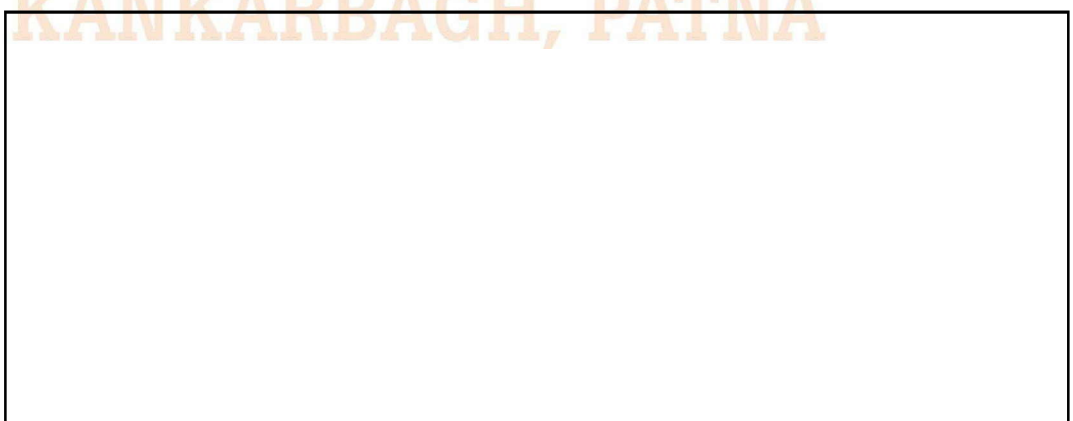
a) 427÷7



b) 654÷11

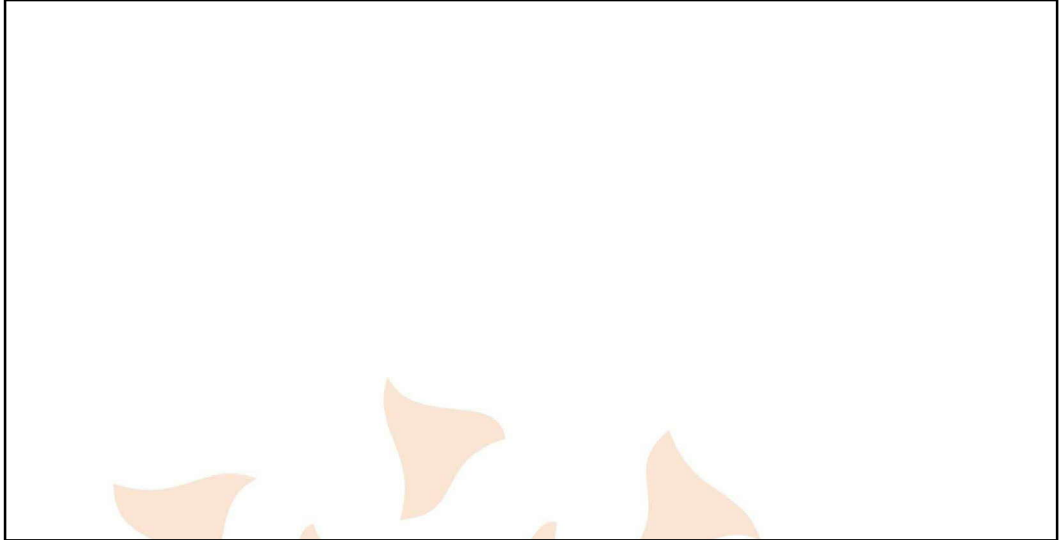


c) 862÷8




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d)  $345 \div 5$



e)  $983 \div 12$



**5) Solve the following problems;**

- (a) The population of a city is 2,68,465. If the number of males is 1,34,567. Find the number of females in the city.

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- (b) Reena bought a cycle and a toy. The cost of the cycle is Rs 3,456 and the cost of the toy is Rs 2,876. Find the total amount spent by Reena.

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5) **Multiply;**

234x16

478x74

588x55

209x41

6) Round off the nearest 10, 100 and 1000

| Number | Nearest 10 | Nearest 100 | Nearest 1000 |
|--------|------------|-------------|--------------|
| 6592   |            |             |              |
| 4359   |            |             |              |

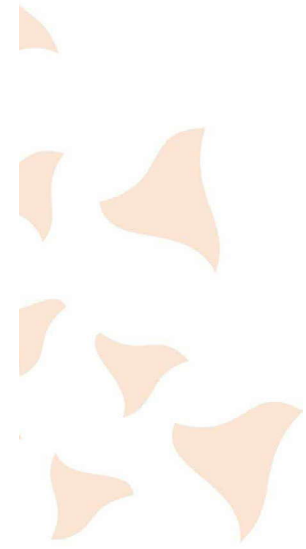
NAME : .....

CLASS : ..... SECTION :

ROLL NO. : ..... SUBJECT : HINDI

1. निम्नलिखित शब्दों के दो - दो समानार्थी शब्द लिखें :-

- क) रवि -
- ख) आकाश -
- ग) फूल -
- घ) माँ -
- ङ) पवन -
- च) रात -
- छ) दोस्त -
- ज) पताका -
- झ) पानी -



2. विलोम लिखें :-

- क) आरंभ -
- ख) विजय -
- ग) कठोर -
- घ) हारना -
- ङ) मैला -
- च) एक -
- छ) ठंडा -

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ज) आकाश -

झ) हानि -

ञ) कच्चा -

3. र्थ लिखें :-

क) नित्य -

ख) शीतलता -

ग) उजियारा -

घ) परोपकार -

ङ) कलरव -

च) चूनर -

छ) भिनसारे -

ज) सद भावना -

झ) आरंभ -

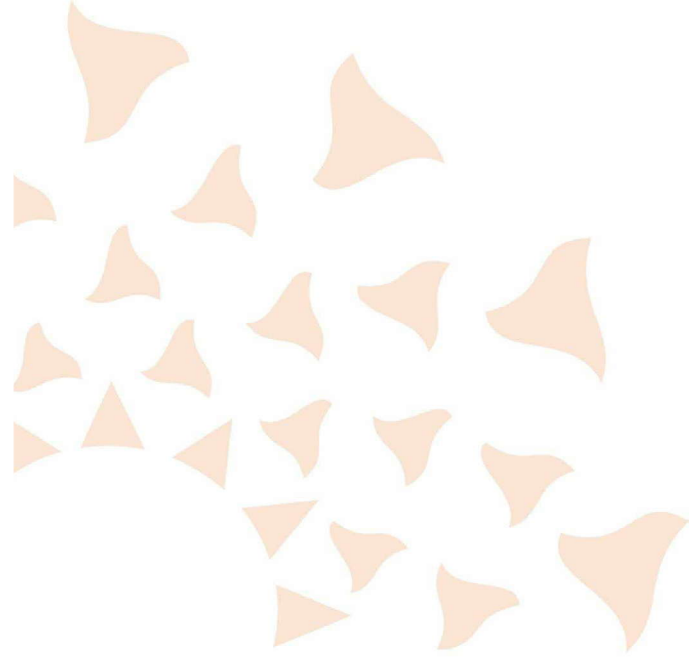
ञ) पूर्वज -

ट) चकित -

ठ) दूरदर्शिता -

ड) उत्सव -

ढ) फोड़ना -



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4. वितान पाठमाला से कविता याद करना है :-

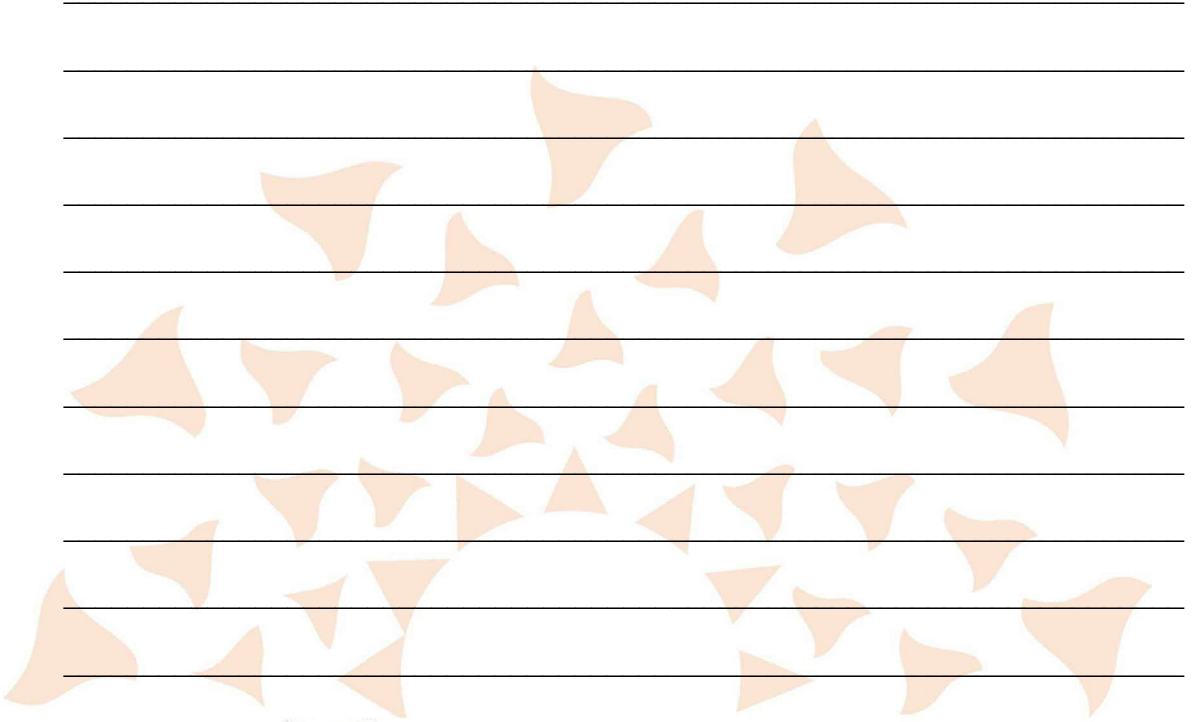
क) खुशियाँ बाँटे सारे जग को (पृष्ठ संख्या 9-10)

ख) डरना कभी ना जाना (पृष्ठ संख्या 127)



5. सुलेख पुस्तिका में आठ पृष्ठ लिखें ।
6. उत्तरपुस्तिका में किए गए कार्य को याद करें ।
7. निम्नलिखित बिषयों पर दस वाक्य लिखें ।

मेरा मित्र



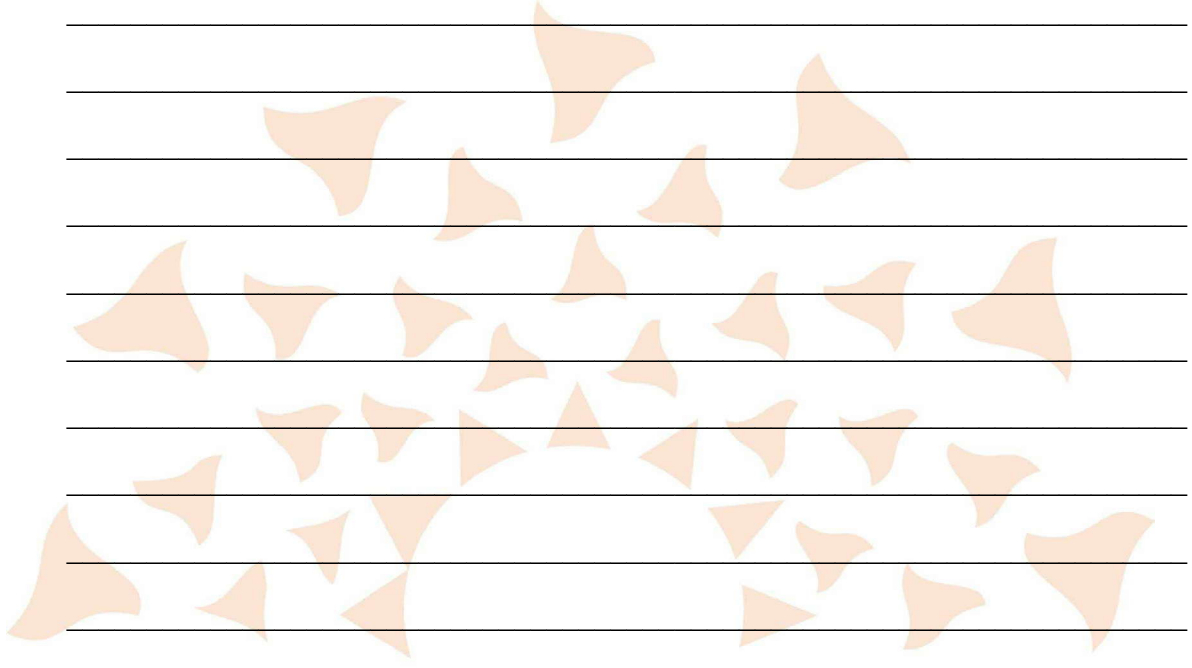
मेरा परिवार

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8. पत्र लेखन -

छुट्टियों में अपने मित्र को अपने घर आमंत्रित करने के लिए एक पत्र लिखें ।



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