

# *Radiant Central Children Academy*

*Jalalpur-Ambedkar Nagar*



# Summer Vacation Homework

Class : VII



[www.radiantacademy.in](http://www.radiantacademy.in)

**RADIANT CENTRAL CHILDREN ACADEMY  
SUMMER VACATION HOMEWORK**

एक होमवर्क ऐसा भी-

अभिभावक के लिए गृहकार्य—

- ◆ आपके बच्चों की देखभाल करने में हमें अच्छा लगा। आपने गौर किया होगा कि उन्हें स्कूल आना बहुत अच्छा लगता है। अगले 1 महीने उनके प्राकृतिक संरक्षक यानी आप उनके साथ छुट्टियां बिताएं। हम आपको कुछ टिप्स दे रहे हैं जिससे ये समय उनके लिए उपयोगी और खुशनुमा साबित हो।
- ◆- अपने बच्चों के साथ कम से कम दो बार खाना जरूर खाएं। उन्हें किसानों के महत्व और उनके कठिन परिश्रम के बारे में बताएं। और उन्हें बताएं कि अपना खाना बेकार न करें।
- ◆- खाने के बाद उन्हें अपनी प्लेटें खुद धोने दें। इस तरह के कामों से बच्चे मेहनत की कीमत समझेंगे।
- ◆- उन्हें अपने साथ खाना बनाने में मदद करने दें। उन्हें उनके लिए सब्जी या फिर सलाद बनाने दें।
- ◆- तीन पड़ोसियों के घर जाएं। उनके बारे में और जानें और घनिष्ठता बढ़ाएं।
- ◆- दादा-दादी/ नाना-नानी के घर जाएं और उन्हें बच्चों के साथ घुलने मिलने दें। उनका प्यार और भावनात्मक सहारा आपके बच्चों के लिए बहुत आवश्यक है। उनके साथ फोटो लें।
- ◆- उन्हें अपने काम करने की जगह पर लेकर जाएं जिससे वो समझ सकें कि आप परिवार के लिए कितनी मेहनत करते हैं।
- ◆- किसी भी स्थानीय त्योहार या स्थानीय बाजार को मिस न करें।
- ◆- अपने बच्चों को किचन गार्डन बनाने के लिए बीज बोने के लिए प्रेरित करें। पेड़ पौधों के बारे में जानकारी होना भी आपके बच्चे के विकास के लिए जरूरी है।
- ◆- अपने बचपन और अपने परिवार के इतिहास के बारे में बच्चों को बताएं।
- ◆- उन्हें कुछ लोक गीत सुनाएं।
- ◆- अपने बच्चों के लिए रंग बिरंगी तस्वीरों वाली कुछ कहानी की किताबें लेकर आएं।
- ◆- उन्हें चॉकलेट्स, जैली, क्रीम केक, चिप्स, गैस वाले पेय पदार्थ और पफ्स जैसे बेकरी प्रोडक्ट्स और समोसे जैसे तले हुए खाद्य पदार्थ देने से बचें।
- ◆- अपने बच्चों की आंखों में देखें और ईश्वर को धन्यवाद दें कि उन्होंने इतना अच्छा उपहार आपको दिया। अब से आने वाले कुछ सालों में वो नई ऊंचाइयों पर होंगे।

**CLASS-7  
ENGLISH**

**Day-1**

**Q.1. Read the story 'The Tiny Teacher' of the book 'An Alien Hand' carefully and answer the questions that follow in about 30 words. (Page No. 01- 03)**

- a. Why have the people made ants as pets?
- b. How do the ants communicate to one another?
- c. Explain the anthill, a unique home of ants.

**Q.2. Since, the honey bees are also insects as the ants. What different life's lessons do we learn from them? Words limit 40 words.**

Visit the site for more info. - <https://thelocaloptimist.com>

**Day-2**

**Q.1. Read the story 'The Tiny Teacher' of the book 'An Alien Hand' carefully and answer the questions that follow in about 30 words. (Page No. 03- 05)**

- a. Why is the queen ant called the mother of all population?
- b. Different ants are specialised to do different task in their organisation. Do you think that specialisation is necessary in an organisation? If yes. Why? If not, Why not?

**Q.2. Level the different stages of the life cycle of an ant. Explain each stage in your own words. Words limit 50 words.**

Visit the site for more info. - <https://askabiologist.asu.edu>

**Day-3**

**Q.1. Read the story 'Bringing up Kari' of the book 'An Alien Hand' carefully and answer the questions that follow in about 30 words. (Page No. 07- 10)**

- a. Why is a sharp hatchet required to cut the twigs?
- b. If you are appointed judge to decide the award for saving the life of the drowning boy, whom will you choose worthy, the writer or Kari (the elephant)? Give reason to support your answer.

**Q.2.** Have you ever seen any animal saving human being? If yes, Describe it. If not, Sit with your grandparents or parents and ask them to tell about such incident which they have witnessed. Listen carefully and write the incident in your own words in about 50 words.

**Day-4**

**Q.1.** Read the story 'Bringing up Kari' of the book 'An Alien Hand' carefully and answer the questions that follow in about 30 words. (Page No. 10- 12)

- a. Why were the fruits disappearing from the plate of the writer's table?
- b. Who were accused of stealing the fruit by the writer's family?
- c. Why was the writer surprised to find the banana in pavilion?
- d. How does the writer conclude that the Kari is the thief?

**Q.2.** Have you ever witnessed any mischievous behavior of any animal? Illustrate it in about 60 words.

**Day-5**

**Q.1.** Read the story 'Bringing up Kari' of the book 'An Alien Hand' carefully and answer the questions that follow in about 30 words. (Page No. 10- 12)

- a. Kari learnt the commands to sit and do walk. What were the instructions for each command?
- b. What was "the master call"? Why is it the most important signal for an elephant to learn?
- c. Is it necessary to teach our pet some specific instructions? If yes. Why? If not, Why not?

**Q.2.** Write a paragraph on the topic "Importance of Animals in our Life" in about 60 words.

**Day-6**

**Q.1.** Separate the Subject and the Predicate in the following sentences:

- a. The boy stood on the last bench.
- b. The singing of the birds
- c. A good boy passed the examination.
- d. It is very hot.

**Q.2.** Write the following extract in cursive strokes.

*He wore a question mark for tail, An overcoat of gray,  
He sat up straight to eat a nut. He liked to tease and play, And  
if we ran around his tree, He went the other way.*

**Day-7**

**Q.1.** Put a suitable Predicate to complete the following sentences:

- a. The moon .....
- b. The sun .....
- c. The crow .....
- d. The dogs.....

**Q.2.** Write the following extract in cursive strokes.

*When everybody has short hair, The rebel lets his hair grow  
long. When everybody has long hair, The rebel cuts his hair  
short. When everybody talks during the lesson,  
The rebel doesn't say a word. When nobody talks during the  
lesson, The rebel creates a disturbance.*

**Day-8**

**Q.1.** Arrange the words in a group to make a meaningful sentence. Punctuate them correctly.

- a. my /is/ teacher/a/mother
- b. under/the/cat/is/table/the
- c. Shanu/lost/her/pen/has
- d. at/the/dog/barked/boy/the

**Q.2.** Write the following text in cursive strokes.

*There's a dusty old window around at the side  
With three cracked panes of glass,*

*I often think there's someone staring at me,  
Each time that I pass,  
I'll peep through that window one day.*

### Day-9

#### Q.1. Read the passage carefully and answer the questions that follow:

Change is the law of life. Spring changes into summer and summer into winter and we come back to spring again. Thus, the cycle of seasons keep moving. Similarly, childhood changes into youth and youth into old age, finally decline to death. It is the law of nature that the old order should change and give pace to a new one. 'No change' is the sign of death and extinction.

However, in spite of this clear lesson from the pages of nature, there are people who always insist on conserving the old. Old is always correct for them. They would cling to old customs, fashions and beliefs. They think that God would punish them if they do not do so. It is these people who had stoned the prophets and thus resisted the will of God. One fails to understand how these people do not understand that one rigid custom, in the long run, is bound to make the world miserable. Where there is change, prosperity and happiness are bound to exist. Changes are the law of life and nature portrays this change.

- A. How does the cycle of seasons keep moving?
- B. Who think that God would punish them if they don't do so?
- C. Why do some people cling to old customs and beliefs?
- D. What does the law of nature imply to everyone one?

Q.2. Recently, you were awarded with best speaker's award in 'Inter-house Speech

Competition' of your school. Make a diary entry to record your feelings in about 60 words.

### Day-10

#### Q.1. Read the following passage carefully and answer the questions that follow.

Gandhiji's character and personality has a universal appeal. He influenced all those who came in contact with him. The secret of his influence lays in his extremely simple and pious way of life. He lived like a yogi, his wants were few. His dress was a simple loincloth, his house, a poor man's cottage, his food, a handful of dates, a cup of orange juice and goat's milk. Thus he lived the life of the humblest and poorest. No wonder, people called him Mahatma. Born on October 2, 1869, in Porbandar, India, Mahatma Gandhi studied law and came to advocate for the rights of Indians, both at home and in South Africa. He spent twenty years in South Africa opposing discrimination against Indians. He became one of the major political and spiritual leaders of his time. Gandhi ji's life was devoted to truth and non-violence. He laid down his life for the sake of truth and thus attained the position of saint and a martyr. Gandhiji's devotion to truth was full of love towards his fellow beings.

- A. What was Gandhiji fighting for in South Africa?
- B. How many years did he spend in South Africa?
- C. Why did people call Gandhi Ji 'Mahatma'?
- D. How did he influence the entire humanity?

Q.2. Write a paragraph on the topic 'Importance of Science and Technology' in about 80-100 words.

हिंदी

### प्रथम दिवस

1- संसार में शांति, व्यवस्था और सद्भावना के प्रसार के लिए बुद्ध, ईसा मसीह, मुहम्मद चैतन्य, नानक आदि महापुरुषों ने धर्म के माध्यम से मनुष्य को परम कल्याण के पथ का निर्देश किया, किंतु बाद में यही धर्म मनुष्य के हाथ में एक अस्त्र बन गया। धर्म के नाम पर पृथ्वी पर जितना रक्तपात हुआ उतना और किसी कारण से नहीं। पर धीरे-धीरे मनुष्य अपनी शुभ बुधि से धर्म के कारण होने वाले अनर्थ को समझने लग गया है। भौगोलिक सीमा और धार्मिक विश्वासजनित भेदभाव अब धरती से मिटते जा रहे हैं। विज्ञान की प्रगति तथा संचार के साधनों में वृद्धि के कारण देशों की दूरियाँ कम हो गई हैं। इसके कारण मानव-मानव में घृणा, ईर्ष्या वैमनस्य कटुता में कमी नहीं आई। मानवीय मूल्यों के महत्त्व के प्रति जागरूकता उत्पन्न करने का एकमात्र साधन है शिक्षा का व्यापक प्रसार।

क) मनुष्य अधर्म के कारण होने वाले अनर्थ को कैसे समझने लगा है

ख) किस कारण से देश में मानव के बीच, घृणा, ईर्ष्या, वैमनस्यता एवं कटुता में कमी नहीं आई है?

ग) देश में आज भी कौन-सी समस्या है?

घ) मानवीय मूल्यों के महत्त्व के प्रति जागरूकता उत्पन्न करने का एकमात्र साधन है ?

च) प्रस्तुत गद्यांश का उपयुक्त शीर्षक दीजिए?

### द्वितीय दिवस

2- किसी एक पक्षी की विविध विशेषताओं से संबंधित कार्य प्रपत्र निम्न बिंदुओं के आधार पर तैयार कीजिए ---

- पक्षी का नाम
- अच्छा लगने का कारण
- रंग व रूप
- संसार के लिए उपयोगी
- रहने का स्थान
- आपने इसे कहां देखा
- प्रिय खाद्य पदार्थ
- अन्य विशेषताएं
- बोली

### तृतीय दिवस

3- हम पंखी उन्मुक्त गगन के कविता के आधार पर एक स्वरचित कविता लिखिए ।

### चतुर्थ दिवस

4- आपका नाम गौतम अरोड़ा है आप अपनी कक्षा के डी टी एस अथवा पंखे की मरम्मत हेतु अपने विद्यालय के प्रधानाचार्य जी को एक पत्र लिखिए।

### पंचम दिवस

5- आपके घर में पत्रिका आती है किसी एक विषय से संबंधित चित्रों को काटकर चिपकाइए और उसके बारे में लिखिए।

### षष्ठम दिवस

6-मोबाइल अथवा किसी नहाने के साबुन का आकर्षक विज्ञापन तैयार कीजिए।

### सप्तम दिवस

7- गर्मी की छुट्टियों में आपने कहीं की यात्रा की होगी आप अपनी पर्यटन स्थल की मुख्य जानकारियां लिखिए और उससे संबंधित चित्र भी लगाइए।

### अष्टम दिवस

8- शुद्ध व स्पष्ट लेख में निम्नलिखित गद्यांश को लिखिए

भारतवर्ष सदा कानून को धर्म के रूप में देखता आ रहा है। आज एकाएक कानून और धर्म में अंतर कर दिया गया है। धर्म को धोखा नहीं दिया जा सकता, कानून को दिया जा सकता है। यही कारण है कि जो लोग धर्म भीरु हैं वे कानून की त्रुटियों से लाभ उठाने में संकोच नहीं करते।

### नवम दिवस

9-कुरुवंश की वंशावली का अवलोकन करते हुए अपने परिवार की वंशावली का अवधारणा मानचित्र तैयार कीजिए।

### दशम दिवस

10-निम्नलिखित वर्ग पहली से संज्ञा व सर्वनाम शब्दों को छांट कर लिखिए

क	म	स	श	जा	बै	ठ	ना	व	श
ग	च	ह	द	सा	य	ट	व	प	श्री
तु	ल	सी	प	र	भ	ऊं	चा	उ	ह
ज	मो	टा	छ	स	स	ता	चा	स	नी
को	ई	घ	ता	रे	च	मे	रा	ने	ला
ह	रा	ग	द	मा	मा	अ	ज	मे	र
ख	न	च	ध	कि	ला	ब	म	ज	ल
य	र	ल	उ	से	फ	दि	ल	ली	दि
जो	त	ना	न	प	छ	त	री	पु	ल
स	ब	ला	ना	ह	मी	ठा	सुं	द	र



a.  $8\frac{4}{9} \div \frac{16}{5}$   
 b.  $11 \div \frac{121}{5}$

c.  $\frac{3}{2} \div 5\frac{1}{4}$   
 d.  $\frac{31}{9} \div \frac{2}{9}$

### Day - 7

1. Savita is dividing  $3\frac{1}{4}$  kg of sweets equally among her seven friends. How much does each friend receive?
2. Each side of a regular hexagon is 3.5cm long. Find the perimeter of hexagon.
3. Ramu finishes  $\frac{1}{3}$  part of a work in 1 hour. How much part of the work will be finished in  $2\frac{1}{5}$  hours?
4. Reshma uses  $\frac{3}{4}$  m of cloth to stitch a shirt. How many shirts can she make with  $2\frac{1}{4}$  m cloth?
5. A ribbon of length  $5\frac{1}{4}$  m is cut into small pieces each of length  $\frac{3}{4}$  m. Find the Number of pieces.

### Day – 8

1. If 5 is added to both the numerator and the denominator of the fraction  $\frac{5}{9}$ , will the value of the fraction be changed? If so, will the value increase or decrease?
2. In a class of 40 students,  $\frac{1}{5}$  of the total number of students like to eat rice only,  $\frac{2}{5}$  of the total number of students like to eat chapati only and the remaining students like to eat both. What fraction of the total number of students like to eat both?
3. Renu completed  $\frac{2}{3}$  part of her home work in 2 hours. How much part of her home work had she completed in  $1\frac{1}{4}$  hours?
4. Reemu read  $\frac{1}{5}$ th pages of a book. If she reads further 40 pages, she would have read  $\frac{7}{10}$  th pages of the book. How many pages are left to be read?

### Day - 9

1. Will the quotient  $7\frac{1}{6} \div 3\frac{2}{3}$  be a fraction greater than 1.5 or less than 1.5? Explain.
2. What is the cost of 27.5 m of cloth at Rs 53.50 per metre?
3. What is the product of  $\frac{5}{129}$  and its reciprocal?
4. Divide  $\frac{3}{10}$  by ( $\frac{1}{4}$  of  $\frac{3}{5}$ )
5.  $\frac{1}{8}$  of a number equals  $\frac{2}{5} \div \frac{1}{20}$ . What is the number?

### Day – 10

1. Evaluate :  $(0.3) \times (0.3) - (0.2) \times (0.2)$
2. Evaluate  $\frac{0.6}{0.3} + \frac{0.16}{0.4}$
3. Find the value of :  $\frac{(0.2 \times 0.14) + (0.5 \times 0.91)}{(0.1 \times 0.2)}$
4. Family photograph has length  $14\frac{2}{5}$  cm and breadth  $10\frac{2}{5}$  cm. It has border of uniform width  $2\frac{3}{5}$  cm. Find the area of framed photograph.
5. Cost of a burger is `Rs $20\frac{3}{4}$  and of Macpuff is  $15\frac{1}{2}$ . Find the cost of 4 burgers and 14 macpuffs.
6. A hill,  $101\frac{1}{3}$  m in height, has  $\frac{1}{4}$  th of its height under water. What is the height of the hill visible above the water?

## Science

### Day 1

1. Potato and ginger are both underground parts that store food. Where is the food prepared in these plants?
2. Photosynthesis requires chlorophyll and a few other raw materials. Add the missing raw materials to the list given below:  
Water, minerals, (a) ..... (b) .....
3. Why do some plants feed on insects?

### Day 2

1. In a plant, photosynthesis occurs in a part other than leaf. Name that plant and the part where photosynthesis occurs.
2. What do you understand by saprotrophic mode of nutrition?
3. A goat eats away all the leaves of a small plant (balsam). However, in a few days, new leaves could be seen sprouting in the plant again. How did the plant survive without leaves?

### Day 3

1. Some plants have deep red, violet or brown coloured leaves. Can these leaves perform the photosynthesis process?
2. Wild animals like tiger, wolf, lion and leopard do not eat plants. Does this mean that they can survive without plants? Can you provide a suitable explanation?
3. Describe the method for replenishing the soils with minerals and other essential constituents used by plants growing in those soil by farmers.

### Day 4

1. Plants prepare their food using a different mode of nutrition than us. What is it?
2. The tiny openings present on the leaf surface. What are they called?
3. A leguminous plant can restore the soil's concentration of mineral nutrients. Can you give examples of some such plants?

### Day 5

1. Plants are considered an essential part of earth as they keep a check on lot of process occurring all over. What would happen if all the green plants are wiped from earth?
2. Autotrophs and heterotrophs are two different organisms with distinct modes of nutrition state. How are they different from each other?
3. Describe the method for replenishing the soils with minerals and other essential constituents used by plants growing in those soil by farmers.

### Day 6

1. What kind of change is shown by tearing of paper?
2. Melting of wax is a change where a solid changes to liquid state. Give one more such change which you observe in your surroundings.
3. Name the gas which turns lime water milky.
4. Write the colour of copper sulphate solution obtained when iron nails are dipped in it?

### Day 7

1. What colour of flame is observed when magnesium ribbon burnt in air.
2. Is souring of milk a physical change or a chemical change?
3. Name the process by which common salt is obtained from sea water.

### Day 8

1. Classify the following processes into physical or chemical changes. [NCERT Exemplar]
  - (a) Beating of aluminium metal to make aluminium foil
  - (b) Digestion of food
  - (c) Cutting of a log of wood into pieces
  - (d) Burning of crackers



2. Is cloud formation a physical change or chemical change? Explain.
3. Write the differences between physical and chemical changes.

### Day 9

1. In addition to the formation of new products, what changes do the chemical changes accompany?
2. Give two examples for each of the following cases:
  - (a) Physical changes which are reversible.
  - (b) Physical changes which are not reversible.
  - (c) Chemical changes
3. A student took a solution of copper sulphate in a beaker and put a clean iron nail into it and left it for about an hour.
  - (a) What changes do you expect?
  - (b) Are these changes chemical in nature?
  - (c) Write a word equation for the chemical change, if any.

### Day 10

1. Rahul was a student of Class VII. His father purchased a new bicycle for him on his birthday. After few months, he found that the cycle chain and even the handle gets rusted. His father advised him to apply a coating of paint to the cycle and not to keep it in the open in future. Now, answer the following questions:
  - (a) Why his cycle gets rusted?
  - (b) What do you mean by rusting of iron?
2. **Fill in the blanks.**
  1. Making sugar solution is a ..... change.
  2. A physical change is generally ..... [NCERT Exemplar]
  3. Grinding of wheat grain changes its size. It is a ..... change.
3. Describe two changes that are harmful. Explain why you consider them harmful? How can you prevent them?

### Sub- Social Science

1. List some measures that can be done to save our environment. Describe some activities performed by government to save our environment.
2. Describe some schemes that are run by government at your village level to improve the economic conditions of the people.
3. Suppose there is drought in your area. Imagine the real situations and answer the following questions.
  - i- What problems can you face during drought?
  - ii- What are the possible reasons for these drought?
  - iii- What precautions can be taken before a drought happens?
  - iv- Prepare a collage on the Mughal emperors of India in between 1526 and 1707.
4. Collect information about any one prashasti written during the Medieval period and give details under the following headings.

(a) Name of the ruler	(c) Language/ script used
(b) Name of writer/ poet	(d) Important points of Prashasti
5. List some activities performed in your daily life to keep you healthy. What else can you do to improve the health conditions of your family and community.
6. On the outline map of India locate the following:
  - A. Major rice growing states of India.
  - B. Major wheat growing states of India.

### Art

- 1) Draw "Madhu Bani" painting on a chart paper of dimension 35 cm x 28 cm.
- 2) Book Syllabus work complete upto (Animal drawing (Fox, Water Colour).
- 3) Collect empty water/cold drink bottle.