

## **CLASS-VII - BIOLOGY**

- Prepare a dictionary of minimum 10 words including the scientific terms and difficult words from chapters “Nutrition in living Organisms – Plants” and “Nutrition in living Organisms – Animals”.

The dictionary has to be prepared in the class-work notebook.

- Activity - Visit a Biodiversity park.
  - Observe a parasitic plant, a saprophytic plant, an insectivorous plant and a green plant. Note down their characteristics and differences in a tabular form.
  - Prepare a collage on different heterotrophic modes of nutrition in your biology class-work notebook.
- Do the following assignment in the homework notebook.

### **CHAPTER- Nutrition In living Organisms – Plants**

1. Upper and lower surface of some leaves in a potted plant are covered with vaseline. It is observed that these leaves become yellow and fall off after some days. Why does this happen? Justify your answer giving reasons.
2. You must have observed white cottony growth on leather articles and of Stale bread in humid weather and greenish blue patches on rotting fruits. Identify the organism responsible for the given phenomenon and explain its mode of nutrition.
3. Some plants have leaves that are not green in colour. Do such plants perform photosynthesis? Explain giving reasons.
4. Potato and ginger are both underground parts that store food. Where the food is prepared in these plants?
5. Think and tell- We do not provide nutrients to the grasses but still they grow well. How does this happen?

DAV PUBLIC SCHOOL, SRESHTHA VIHAR, DELHI-110092  
COMPUTER HOLIDAYS HOMEWORK 2018-19

Class-VII

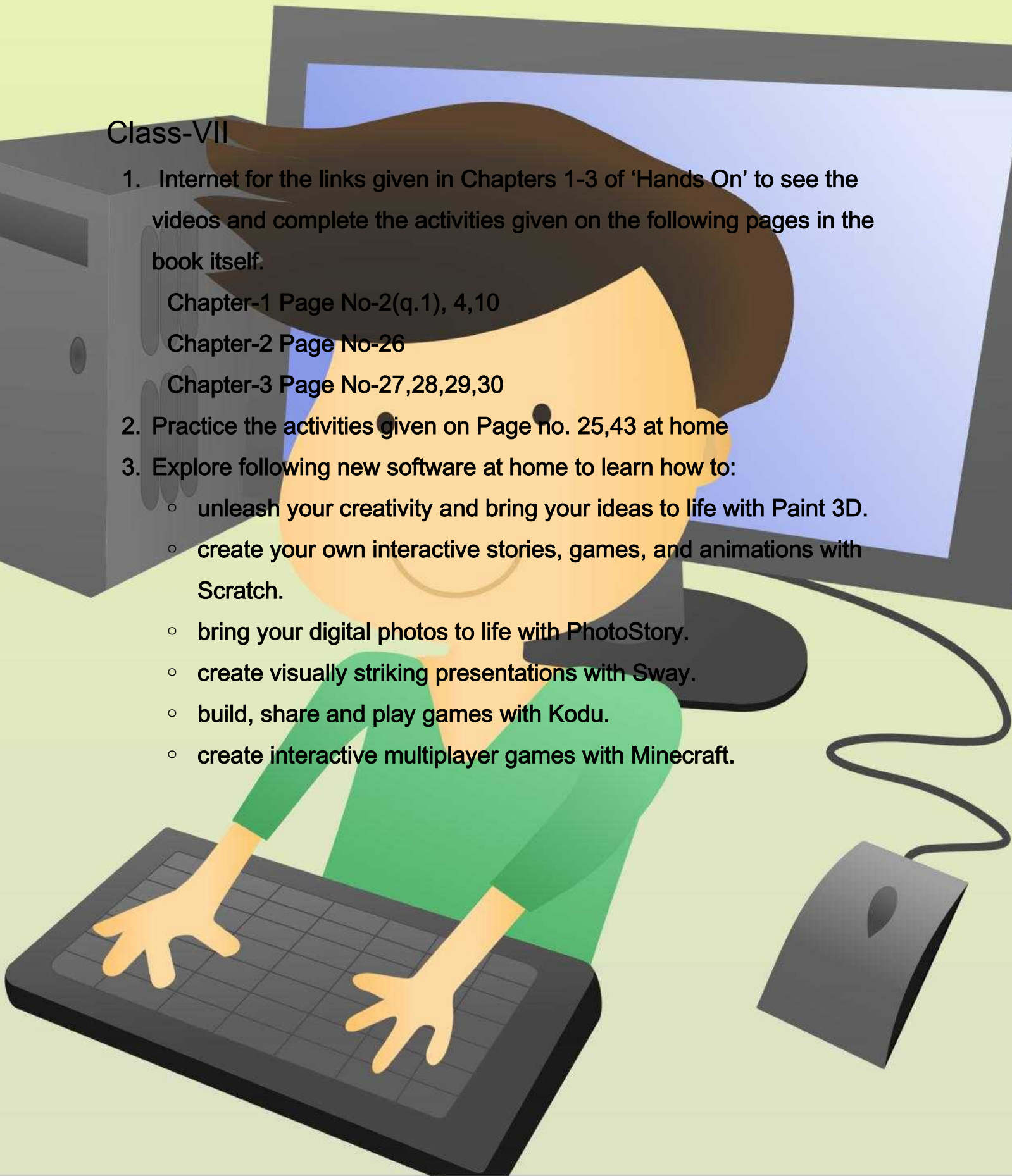
1. Internet for the links given in Chapters 1-3 of 'Hands On' to see the videos and complete the activities given on the following pages in the book itself.

Chapter-1 Page No-2(q.1), 4,10

Chapter-2 Page No-26

Chapter-3 Page No-27,28,29,30

2. Practice the activities given on Page no. 25,43 at home
3. Explore following new software at home to learn how to:
  - unleash your creativity and bring your ideas to life with Paint 3D.
  - create your own interactive stories, games, and animations with Scratch.
  - bring your digital photos to life with PhotoStory.
  - create visually striking presentations with Sway.
  - build, share and play games with Kodu.
  - create interactive multiplayer games with Minecraft.



## **CLASS 7 – GENERAL KNOWLEDGE**

- Write at least 20 questions (MCQ) of G.K for the quiz related to each subject and current affairs.
- Make separate G.K notebook for this.

कक्षा – VII  
विषय – हिन्दी

- 1 10 पेज सुलेख कीजिए।
- 2 पाठ 1–4 तक के कठिन शब्दों का अर्थ सहित क्रमवार शब्दकोश तैयार कीजिए।
- 3 कुतुबमीनार या लालकिले की ऐतिहासिक जानकारी प्राप्त कर चित्र सहित अपने विचार व्यक्त कीजिए।
- 4 रविंद्रनाथ टैगोर की कहानी 'काबुलीवाला' पढ़िए और निम्नलिखित बिन्दुओं पर अपने विचार लिखिए।
  - कथावस्तु
  - पात्र
  - कहानी का संदेश
  - सभी कार्य हल्के हरे रंग की ए-4 साइज़ की शीट पर करें व 4 जुलाई, 2018 को जमा कीजिए।

## CLASS 7 - MATHEMATICS

Q1) List five rational numbers between:

(i)  $\frac{4}{5}$  – and  $\frac{2}{3}$

(ii) -2 and -1

Q2 Give four rational numbers equivalent to:

(i)  $-\frac{2}{7}$

(ii)  $\frac{5}{-3}$

Q3 Fill in the boxes with the correct symbol out of  $<$ ,  $>$  and  $=$ :

(i)  $\frac{1}{-3} \square -\frac{1}{4}$

(ii)  $0 \square -\frac{7}{6}$

Q4 Find the sum:

(i)  $-3 / -11 + \frac{5}{9}$

(ii)  $-\frac{8}{19} + (-\frac{2}{57})$

Q5 Find the product:

(i)  $\frac{3}{-5} * \frac{5}{3}$

(ii)  $\frac{3}{10} * (-9)$

Q6 Find the value of:

(i)  $-\frac{3}{5} \div 2$

(ii)  $-\frac{4}{5} \div (-3)$

Q7 The reciprocal of ----- does not exist.

Q8 Represent following rational numbers on number line.

i)  $\frac{3}{8}$

ii)  $\frac{22}{-6}$

Q9 If  $x = \frac{1}{10}$  and  $y = -\frac{3}{8}$  then evaluate  $x+y$ ,  $x-y$ ,  $x \div y$  and  $x*y$ .

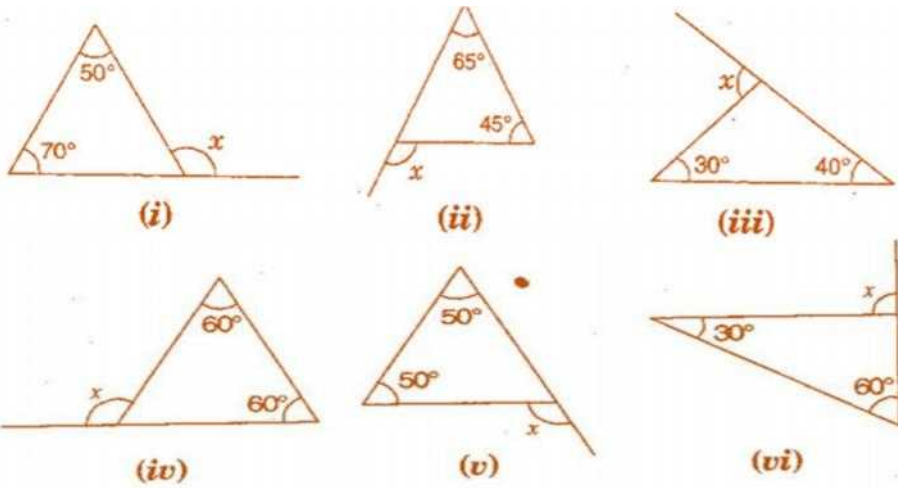
Q10 What should be added to  $-\frac{1}{2}$  to obtain nearest natural number?

Q11 From a rope 68cm long, pieces of equal sizes are cut. If length of one piece is  $4\frac{1}{4}$ ,

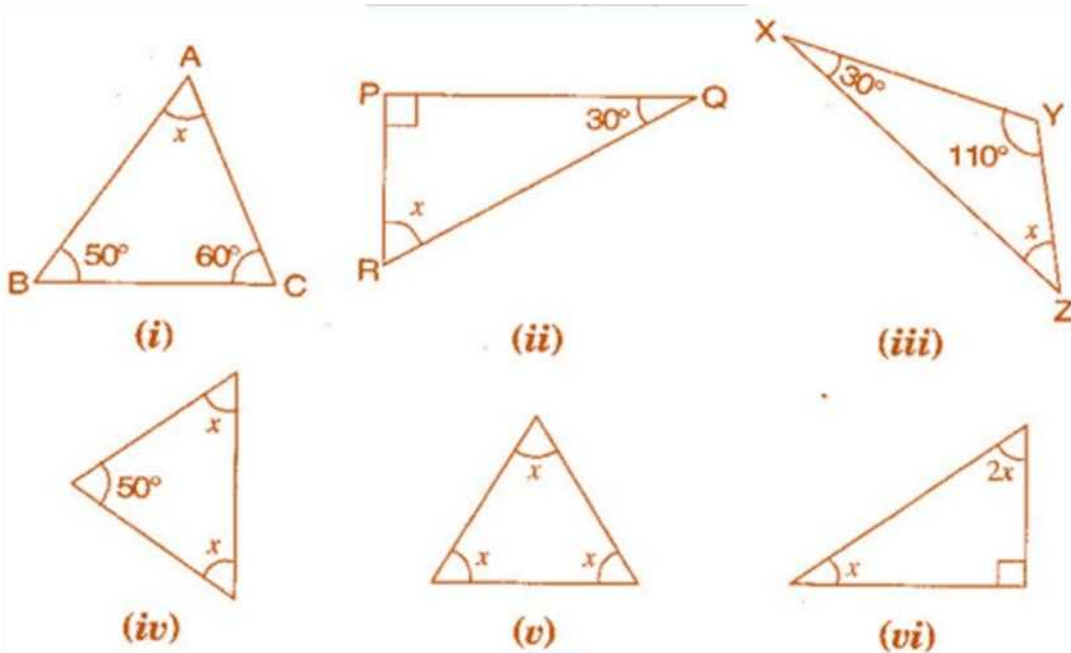
find the number of such pieces.

Q12 150 students are studying English, maths or both. 62% of the students are studying MATHS and 38% are studying English. Find the number of students studying Maths and English separately.

Q13 Find the value of the unknown exterior angle  $x$  in the following diagrams:



Q14 Find the value of unknown  $x$  in the following diagrams:



Q15 Is it possible to have a triangle with the following sides?

- (i) 2 cm, 3 cm, 5 cm
- (ii) 3 cm, 6 cm, 7 cm
- (iii) 6 cm, 3 cm, 2 cm

Q16 Prepare dictionary from chapter rational numbers operation on rational numbers triangles and its properties and applications of percentages in classwork register.

Q17 Collect information about number of monuments in five different states of India and represent this information with the help of bar graph.

नैतिक शिक्षा

कक्षा— सातवीं

ग्रीष्मावकाश गृहकार्य

नैतिक शिक्षा विषय में पाठ 1 से 8 में से किन्हीं पाँच पाठ से 30 रिक्त स्थानों के प्रश्नों का निर्माण करें और अपनी नैतिक शिक्षा की कॉपी पर लिखें।

## **Class VII - Chemistry and Physics**

- (1) Do assignment from motion and time, Fabric from fiber in class work copy.
- (2) Prepare a dictionary of 10 words from the chapters Fabric from fiber, motion and time.
- (3) Project based on heritage sites:
  - (A) Find out the name of stone used in the making of Taj mahal and Humayu's tomb.
  - (B) What is marble cancer?
  - (C) How Taj mahal got affected by acid rain?
  - (D) Collect some pictures of Taj Mahal with marble cancer.
  - (E) Do it on an A4 size pink sheet.



कक्षा – VII  
विषय – संस्कृत

- 1 पाठ 1–3 में से 20 शब्दों का शब्दकोश क्रमानुसार कक्षा कार्य कॉपी में बनाइए।
- 2 किसी एक ऐतिहासिक स्थल (ताजमहल, हम्पी, हुमायूँ का मकबरा, साँची स्तूप) का चित्र बनाकर उनपर पाँच वाक्य संस्कृत में लिखिए ।

## **Class-VII: Social Science**

“Heritage is an inheritance of the range of contemporary activities, traditions, art, creativity and hard work of millions of people who have lived, which makes it essential to be preserved for future generations to see & marvel upon.”

“People come and go but heritage lives on.”

And UNESCO is playing a significant role in preserving the **World Heritage Sites** and legally protecting them by drawing up **International Treaty**.

### **I Interdisciplinary project:**

Prepare a poster on the topic ‘The Needs for and Methods of preservation of World heritage Sites’ on A-3 size sheet.

### **II Dictionary work:**

Read chapters -1 to 4(Geography), 9 to 13 (History), 18, 20 & 22 (civics) thoroughly and underline the difficult words. Write the meanings of those difficult words in S.Std. C.W. Note Book (10 words each from Geography, History & Civics)

### **III Map Work:**

On the political map of India, mark 29 states and 7 Union Territories with their capitals. Paste the map in S.Std. C.W. Note Book

## CLASS VII -YOGA

ODD ROLL NO. - Make a collage of yoga asanas on an A3 size sheet.

EVEN ROLL NO. - Bring print out of any 3 yoga asanas on an A4 size sheet (Print one asana per sheet. Also mention the name of the asana.)

1. Read the following passage carefully :

The camel is the oldest of domestic animals. It has been used for thousands of years, by the desert people of Africa and Asia to supply many of their needs. On the fertile edges of the desert, camels pull ploughs, turn wheels to irrigate the fields and carry goods to market. In the desert itself, they are still almost the only means of transport. They supply food, milk and clothing in the form of wool and leather.

This useful animal is well adapted to life in harsh, arid lands. The Arabian camel has one hump ; the Bactrian camel has two. The hump is, in fact, a store of fat which is used as a source of energy when food and water are scarce. When it does drink, the camel can take up to 100 litres of water in ten minutes.

The camel has broad, soft feet for a steady grip in the sand. A thick skin protects it from the fierce daytime sun and bitterly cold nights. The camel's eyes have three eyelids to help keep out sand ; its ears and nose are also adapted to keep out sand storms.

Camels stand about two metres high at the shoulder and weigh 500-800 kilos. Often called 'The ships of the desert ;' they can carry loads of 200 kilos and more, travelling up to 16 kilometres a day.

Camels eat grass, dates and grain when available. Deep in the desert they survive on dry leaves, seeds and bones.

1.1. On the basis of your reading of the passage, answer the following questions as briefly as possible, in the space provided.

In what two ways can the camel help us in Agriculture ?

(a) \_\_\_\_\_

(b) \_\_\_\_\_

The camel's hump contains (c) \_\_\_\_\_

which serves as a source of energy in times of

(d) \_\_\_\_\_

Give a suitable title of the passage

(e) \_\_\_\_\_

1.2. Fill in the spaces below with appropriate words/phrases

Adaptation of the organ

its use

Broad soft feet

(a) \_\_\_\_\_

\_\_\_\_\_

(b) \_\_\_\_\_

Thick skin

to avoid the depositing of sand

(c) \_\_\_\_\_

\_\_\_\_\_

2. Read the following passage carefully :

Somewhere in Siberia 40 million years ago the sabre-toothed tiger flourished. It became extinct only about 10,000 years ago, and its descendants, the true tigers, began to extend their range, moving southward in search of more suitable habitats as successive phases of the Ice Age made Northern Asia uninhabitable.

Today, deep in the snows of the Soviet Far East, 200 tigers still roam, and a few thousand of its relatives patrol surviving pockets of forest from India to Indonesia. Wherever the tiger lived, it exercised a deep and lasting effect on the indigenous people, who traditionally revered it as god and protector of the forest and co-existed with it in an atmosphere of mutual harmony and respect.

But Western civilization has taken its toll on the tiger. Thousands were shot for sport, and much of their habitat has been destroyed to make way for the demands of industry and increasing populations. The tiger has now reached a crisis. It faces extinction if we do not recognize that recent conservation efforts have failed, and that the future of the tiger lies in the hands of the people whose land it shares.



5) One morning, the Nawab call his minister and said him that I wanted the length and breadth from the whole earth measured. He also to feel the need to have the stars in whole sky counted. The minister says that the task he have been set being impossible.

- ~~a~~ \_\_\_\_\_ called
- a \_\_\_\_\_
- b \_\_\_\_\_
- e \_\_\_\_\_
- d \_\_\_\_\_
- e \_\_\_\_\_
- b \_\_\_\_\_
- g \_\_\_\_\_

6. A few words from the story are given below. Use a dictionary to find their meanings. Then write four words containing four letters or more using the letters of the given words. One has been done as an example.

|    | WORD      | MEANING         | FOUR-LETTER WORDS      |
|----|-----------|-----------------|------------------------|
| 1. | commotion | noisy confusion | omit, coin, moon, icon |
| 2. | intense   |                 |                        |
| 3. | peculiar  |                 |                        |
| 4. | thriving  |                 |                        |
| 5. | reflected |                 |                        |
| 6. | shrieking |                 |                        |
| 7. | protest   |                 |                        |

elements?

7. Look at the advertisement below. Discuss what are the essential elements in any newspaper/magazine advertisement.

EAT BUTTER, THINK BETTER ...

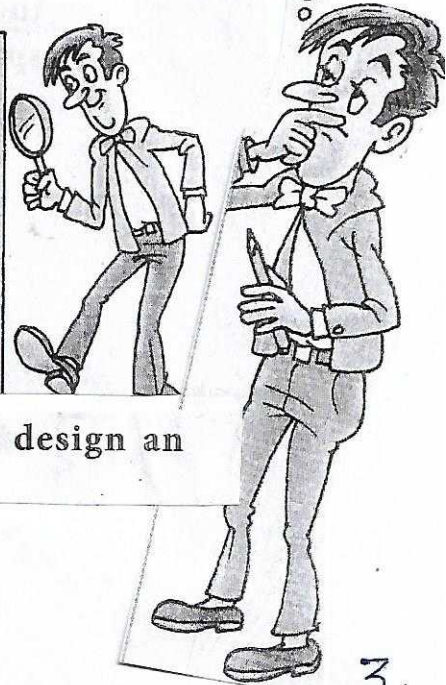


**TASTEE BUTTER**  
250g  
Very Very Tasty Tasty

Buy 3 get 1 absolutely free

A healthy and delicious taste of freshness in every pack

**TASTEE BUTTER**  
Very Very Tasty Tasty



Keeping all the elements of a good advertisement in mind, design an advertisement on any one of the following:

- soft drinks
- watches
- pens



8. List four relationships that you value the most and explain why.

- (a) \_\_\_\_\_
- (b) \_\_\_\_\_
- (c) \_\_\_\_\_
- (d) \_\_\_\_\_

9. The author says, 'They (grandparents) can tell of changes in medicine, technology and community.'

(a) Work in groups of four and prepare a questionnaire to interview your grandparents about the changes in life and society that they have seen. You may concentrate on the following aspects:

- food
- clothes
- customs
- professions
- medicine
- technology



(b) After the interview, you should fill in the following table.

|             | Then | Now |
|-------------|------|-----|
| Food        |      |     |
| Clothes     |      |     |
| Customs     |      |     |
| Professions |      |     |
| Medicines   |      |     |
| Technology  |      |     |

(a) A dual income family is the one in which both husband and wife work outside the home to earn, and support the family financially. This trend is fast gaining ground in India. It has its own pros and cons. Enlist a few in the space given below:

| PROS | CONS |
|------|------|
|      |      |
|      |      |
|      |      |
|      |      |
|      |      |
|      |      |

(b) How has the role of grandparents become all the more important in the families in which both parents are working?

11. Values

'Grandparents are cheerleaders in life.' But with emerging socialising trends, the young generation tends to ignore the elderly. They spend most of their time on phones, tabs and laptops.

(a) As a grandchild what are your responsibilities towards your grandparents?

(b) How can you fulfil your responsibilities?

The author says, 'Grandparents bring warmth and affection to family life.' list at least six ways in which grandparents bring joy to the family.

