

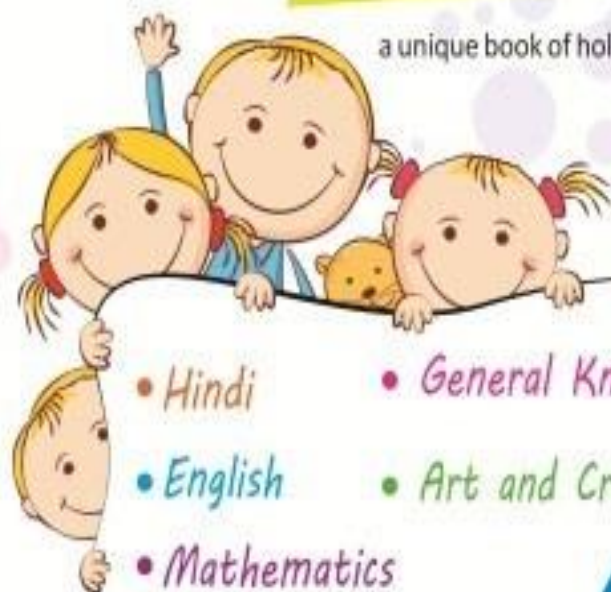
**R. H. MEMORIAL PUBLIC SCHOOL ,  
SECTOR - 87 , GURUGRAM  
"HIT - INDIA FIT - INDIA"**



# HOMework

**for Summer Vacation**

a unique book of holidays homework



- Hindi
- English
- Mathematics
- General Knowledge
- Art and Creativity



**Worksheets**

**R.H. MEMORIAL PUBLIC SCHOOL**  
**SEC -87 , KANKROLA, GURUGRAM**

**HOLIDAY HOMEWORK (CLASS 9th) SESSION 2022-23**

**❖ ENGLISH**

- ❖ “Time is not measured by passing of years but by what one does , what one feels and what one achieves, keeping this note in mind and getting ideas from the poem “ Road not taken” write a paragraph in 100-150 words. Describing your experiences when you face a dilemma choosing things.
- ❖ “The world worries about disability more than disabled people do.” Taking an idea from Evelyn Glennie, a disabled instrumentalist, make a collage of the people with disabilities, who have done something extra-ordinary in their life and also write few lines about them.
- ❖ Prepare a write up on any one of the following topics using pictures, bargraph, slogans, innovations and data in your file.
  - ❖ Hit India and Fit India : Importance of Yoga
  - ❖ Social Media: Impact on human behaviour and society
  - ❖ Health & hygiene
  - ❖ Save the Environment
- ❖ Writers see the world differently .Every voice we hear, every face we see, every hand we touch could become story fabric. Read any two stories and write one review on it. It should consist of:
  - ❖ About the author
  - ❖ Introduction of the story
  - ❖ Title
  - ❖ About the characters
  - ❖ Moral

❖ The story “The lost child” which you have read was not having a proper climax. On the basis of your understanding of the story, give a proper ending to it.

❖ Revise the syllabus till done in class.

## ❖MATHS

Q1. The following table shows the Yoga poses of particular student that have done in a day .that will be consider your frequency of 20 days:-

Make a histograms on a a four sheet prepare

Posses	Frequency
Dolphin	
Wild child	
Standing forward bend	
Triangle	
cat	
Eagle	
Dolphin	
Extended corpse	
Legs –up	
Extended puppy	
Bridge	

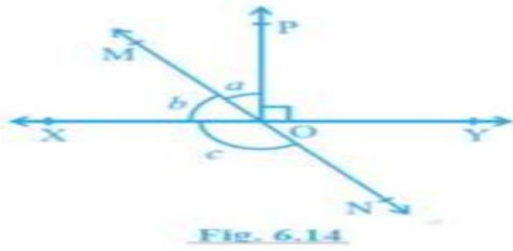
Q2. DO Assignments of chapter done in the class.

Q3. Learn cube and square of 2 to 20.

Q1.If two lines intersect, prove that the vertically opposite angles are equal. 2. Bisectors of interior  $\angle B$  and exterior  $\angle ACD$  of a  $\triangle ABC$  intersect at the point T. Prove that  $\angle BTC = 2 \angle BAC$ .

Q2.A transversal intersects two parallel lines. Prove that the bisectors of any pair of corresponding angles so formed are parallel.

2. In Fig. 6.14, lines  $XY$  and  $MN$  intersect at  $O$ . If  $\angle POY = 90^\circ$  and  $a:b = 2:3$ , find  $c$ .



- (i) vertically opposite angles are equal      (ii) corresponding angles are equal  
(iii) alternate interior angles are equal      (iv) none of these

Q6. The measure of Complementary angle of is

- (a) 170      (b) 120      (c) 90      (d) none of these

Q7. If two angles of a triangle are  $30^\circ$  and  $45^\circ$ , what is the measure of the third angle?

- (a) 105      (b) 45      (c) 120      (d) 60

Q8. The measurement of Complete angle is

- (a) 270      (b) 90      (c) 180      (d) 360

Q9. The measurement of sum of linear pair is

- (a) 180      (b) 120      (c) 170      (d) 360

Q9. The difference of two complementary angles is  $40^\circ$ . The angles are

- (a)  $65^\circ, 35^\circ$       (b)  $70^\circ, 30^\circ$       (c)  $25^\circ, 65^\circ$       (d)  $70^\circ, 110^\circ$

Q10. Given two distinct points P and Q in the interior of  $\triangle ABC$ , then  $PQ$  will be

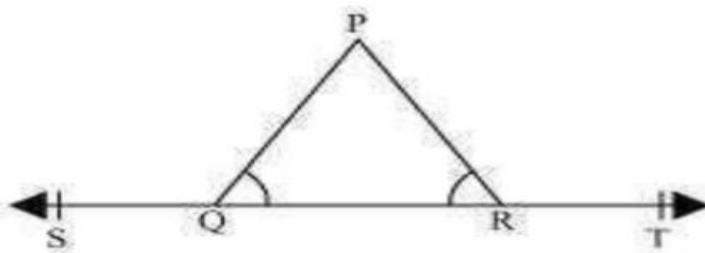
- (a) in the interior of  $\triangle ABC$       (b) on the boundary of  $\triangle ABC$   
(c) on the line segment  $AB$       (d) on the both sides of  $AB$

Q11. The number of angles formed by a transversal with a pair of lines is

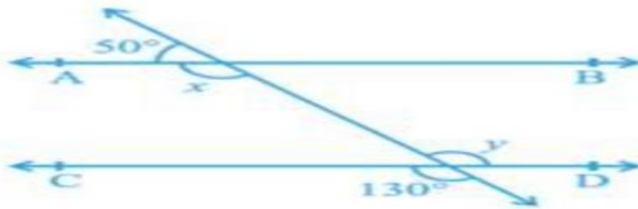
- (a) 6      (b) 3      (c) 8      (d) 4



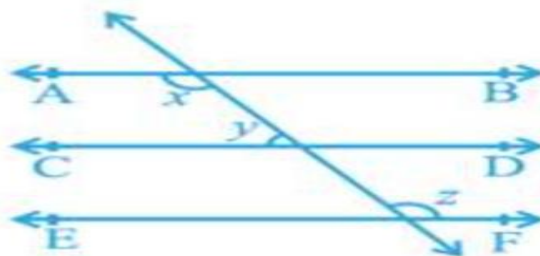
3. In the given figure,  $\angle PQR = \angle PRQ$ , then prove that  $\angle PQS = \angle PRT$ .



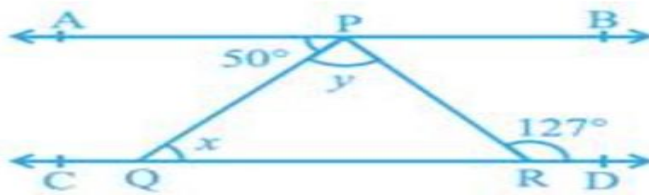
4. In the given figure, find the values of  $x$  and  $y$  and then show that  $AB \parallel CD$ .



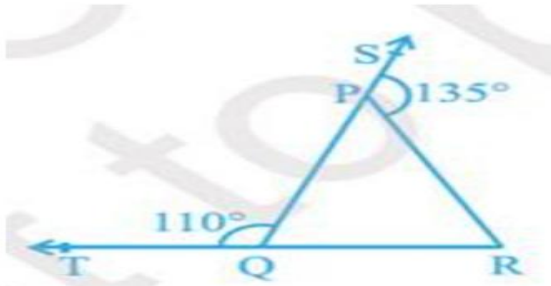
5. In the given figure, if  $AB \parallel CD$ ,  $CD \parallel EF$  and  $y:z = 3:7$ , find  $x$ .



6. In the given figure, if  $AB \parallel CD$ ,  $\angle APQ = 50^\circ$  and  $\angle PRD = 127^\circ$ , find  $x$  and  $y$ .



7. In the given figure, sides QP and RQ of  $\triangle PQR$  are produced to points S and T respectively. If  $\angle SPR = 135^\circ$  and  $\angle PQT = 110^\circ$ , find  $\angle PRQ$ .



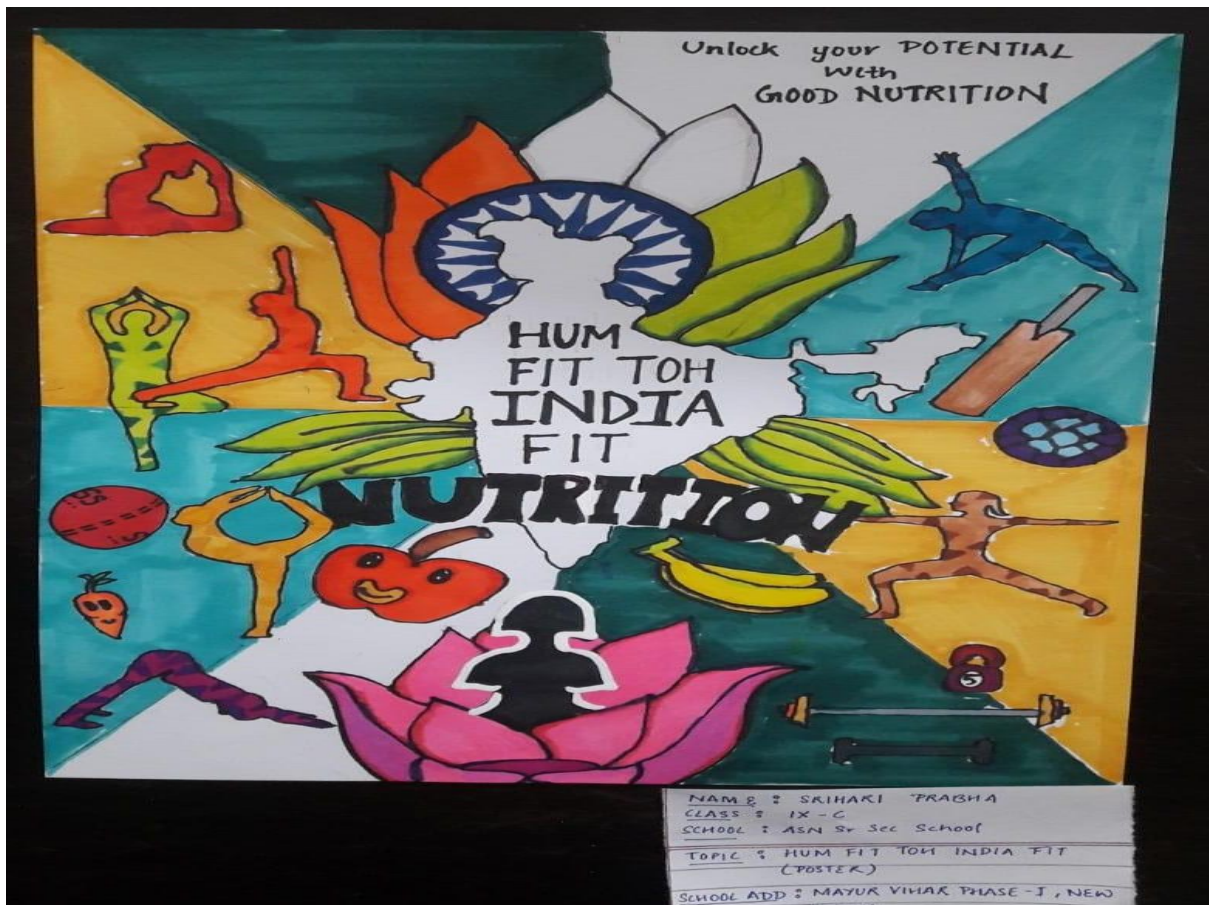
#### ❖ Science

- On colourful A-4 size sheets prepare a project on topic balanced diet (as per the given sample). follow the link <https://youtu.be/6dVszRZvEPE> for working DIY model.
- Revise chapter 1, 2 & 8.

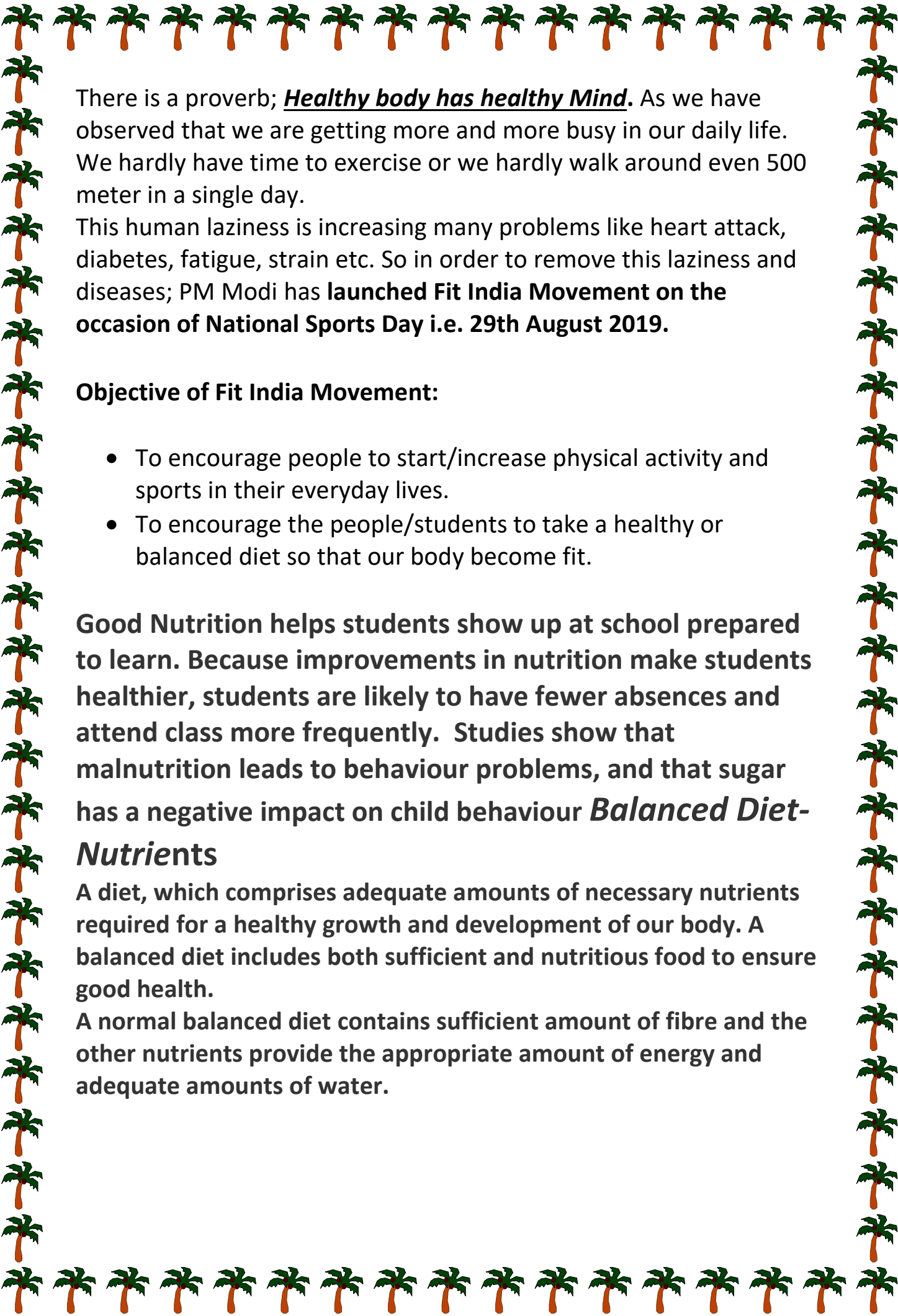
FRONT PAGE



## THEME







There is a proverb; **Healthy body has healthy Mind**. As we have observed that we are getting more and more busy in our daily life. We hardly have time to exercise or we hardly walk around even 500 meter in a single day.

This human laziness is increasing many problems like heart attack, diabetes, fatigue, strain etc. So in order to remove this laziness and diseases; PM Modi has **launched Fit India Movement on the occasion of National Sports Day i.e. 29th August 2019.**

#### **Objective of Fit India Movement:**

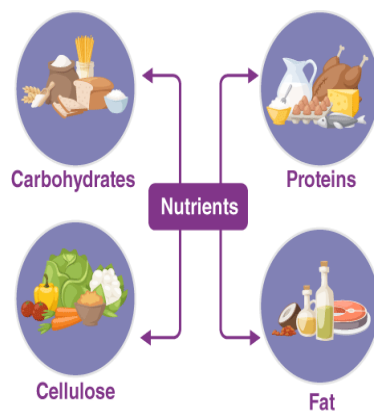
- To encourage people to start/increase physical activity and sports in their everyday lives.
- To encourage the people/students to take a healthy or balanced diet so that our body become fit.

**Good Nutrition helps students show up at school prepared to learn. Because improvements in nutrition make students healthier, students are likely to have fewer absences and attend class more frequently. Studies show that malnutrition leads to behaviour problems, and that sugar has a negative impact on child behaviour** ***Balanced Diet-Nutrients***

A diet, which comprises adequate amounts of necessary nutrients required for a healthy growth and development of our body. A balanced diet includes both sufficient and nutritious food to ensure good health.

A normal balanced diet contains sufficient amount of fibre and the other nutrients provide the appropriate amount of energy and adequate amounts of water.





## ***Importance and objectives of balanced diet***

A balanced diet covers different food types in the right amounts to stay healthy. It is essential for healthy body, healthy mind. Just by eating a single food would not provide all essential nutrients. As per the nutritionist advice, normal balanced diet is essential for maintaining good health and a sensible body weight. Improper diet results in poor development of a body with malnourishment and over diet leads to weight, diabetes, obesity and other diet related diseases.

The main objectives of the balanced diet include:

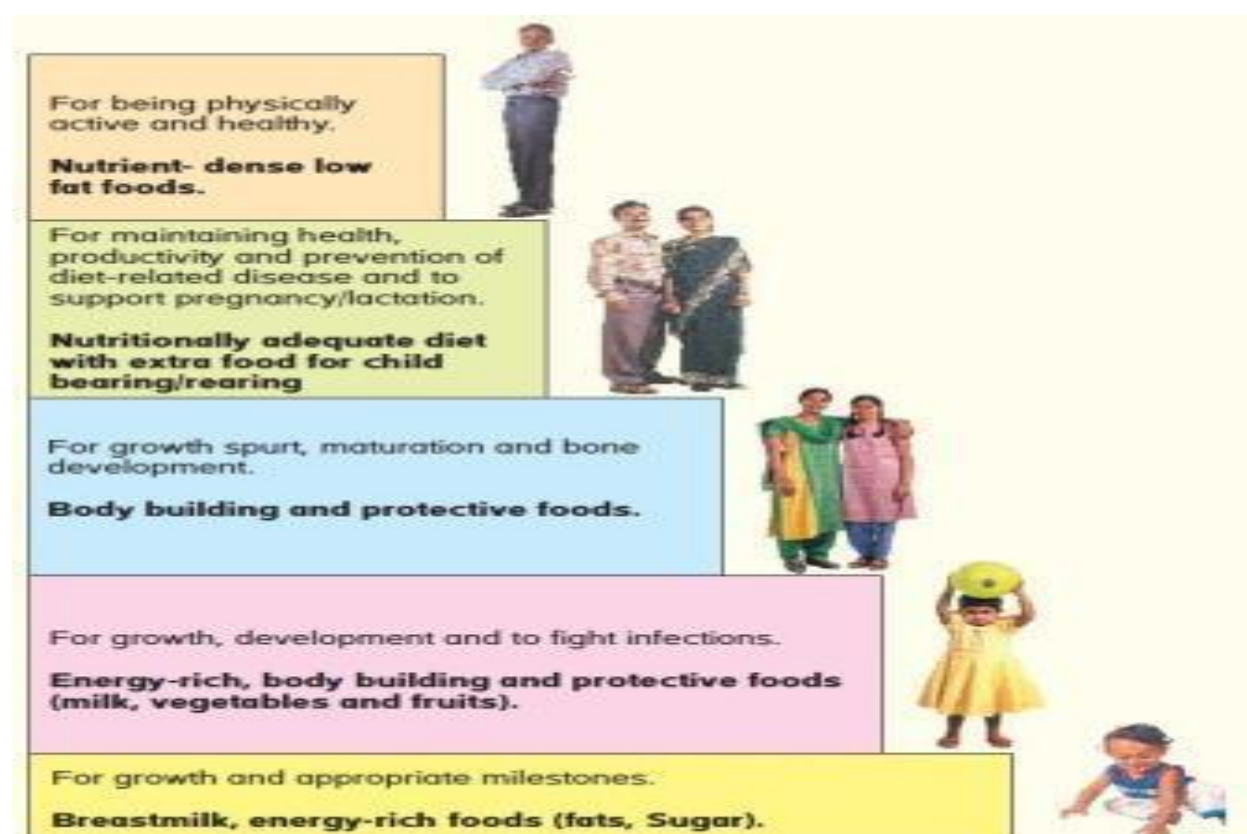
- For a healthy weight and energy balance.
- To provide essential nutrients required for proper functioning and maintenance of cells, tissues, and organs of our body.
- Limited consumption of saturated fats, processed foods, junk foods, simple sugar, iodized salt, sodium, etc.
- Include a high amount of fruits, vegetables, legumes, nuts and whole grains.
- To avoid malnourishment and other nutritional deficiency diseases.

According to the department of nutrition and food science, nutrients are divided into two groups:

Micro nutrients – Carbohydrates, fats, and proteins are classified as micro nutrients

Macronutrients –Vitamins (A, B, C, D, E, and K) Water and other minerals – calcium, phosphorus, magnesium, selenium, zinc, etc. are classified as macronutrients.

Both nutrients are important for the overall good health. An imbalanced diet may either lead to the excess or inadequate intake of a nutrient. Insufficient intake of a particular nutrient leads to the certain deficiency disease.





## ❖ हिन्दी

ग्रीष्मावकाश गृहकार्य

कक्षा – नौवी

विषय – हिन्दी

१ योगा दिवस के महत्व का सचित्र वर्णन अपने शब्दों में कीजिए ।

२ ए एस एल (ASL) – ओडियो पर आधारित प्रश्नों के उत्तर लिखो ?

प्रश्न

१ आज के लोगो की क्या जरूरत बन गई है ?

२ कम्प्यूटर का आविष्कार किसने किया?

३ कम्प्यूटर क्या है ?

४ ओडियो में आये ऐसे शब्द चुने जिनमें उपसर्ग एवं प्रत्यय जुड़े हों?

५ सेवक , तीव्र , आज , आसान आदि शब्दों के विलोम शब्द लिखो?

६ मनुष्य का आग्याकारी सेवक कौन है?

७ गणित की गणना को आसान बनाने वाले यंत्र का क्या नाम है?

८ प्रतिदिन किसकी लोकप्रियता बढ़ती जा रही है?

९ कम्प्यूटर एक यान्त्रिक मशीन है ? रचना के आधार पर वाक्य का भेद बताइए?

१० ,कम्प्यूटर को हिन्दी में क्या कहते हैं?





## ❖ S.ST.

- TOPIC-EXPLAIN HISTORY OF YOGA  
WITH PICTURES and mention in the map  
( famous places of yoga )

### ❖ Tourism & Employability Skills

- Learn all class work done in notebook
- Read unit - 1 complete
- Do all MCQ questions of unit - 1 in note book.
- Write all non-verbal communication in A-4 sheets  
with diagram for help see page no. 13 & 14 in  
book.