

**SAMAGRA SHIKSHA KERALA**  
**SUMMATIVE ASSESSMENT – I 2026-2027**  
**BASIC SCIENCE**

1. 606

Class : 6

Time: 2 Hrs 15 minutes

**Instructions**

- 15 minutes cool-off time is allotted for reading and understanding the activities.
- Answer any six questions.
- Internal choices A and B are given to questions 5 and 6. You need to answer any one of these questions.

1. a) ~~Choose~~ the food items that are essential for growth and body building.

- |                               |                                       |
|-------------------------------|---------------------------------------|
| i. Green gram <i>thoran</i>   | ii. Egg                               |
| iii. Horse gram curry         | iv. Banana                            |
| A. i, ii, iv    B. i, iii, iv | C. i, ii, iii    D. None of the above |

b) Complete the word web with the forms of carbohydrates that are present in food.



c) A ~~few food items~~ are given below. Write down the main nutrient found in each of these.

- |                      |               |         |           |
|----------------------|---------------|---------|-----------|
| 1. <del>Potato</del> | 2. Green gram | 3. Ghee | 4. Orange |
|----------------------|---------------|---------|-----------|

2. a) Find out the device which a magnet or magnetic force is not used.



Electric bell



Loudspeaker



Bulb



Electric Motor

b) Correct the wrong statements about magnets.

- A. Natural lodestone is a temporary magnet.
- B. Magnetic substances placed in a magnetic field acquire magnetic properties.
- C. Magnetic properties of permanent magnets stay only for a short time.
- D. A bar magnet has two poles.

c) Write down the different methods of storing bar magnets in a science kit.

3. a) Which animal does this skeleton belong to?



b) Why do animals need a skeleton? Complete the list.

1. Gives strength to the body

2. ....

3. ....

c) A bird's skeleton in the science lab is light in weight. Why is it so? How does the lighter skeleton help birds?

4. a) Which of the following is a magnetic substance?

A. Paper

B. Plastic

C. Iron

D. Gold

b) A copper wire was wound on an iron nail and was connected to a battery. The nail started attracting small pins. When the battery was disconnected, all the pins fell down. Write down the reason. What is this arrangement called?



c) Which of these pictures shows what happens when a bar magnet is brought closer to iron fillings? Give reason to your answer.



Picture A



Picture B

5. Answer 5 (A) or 5 (B)

5. (A)

a) A few statements about deficiency diseases are given below. Find out the correct statements and choose the correct option.

(i) Goitre is the disease caused by the deficiency of iron.

(ii) Osteoporosis is caused by the deficiency of calcium.

(iii) Anaemia is caused by the deficiency of iodine.

(iv) Eating a lot of sea food helps to prevent Goitre.

A. Statements I and iii are correct

B. Statements ii and iv are correct

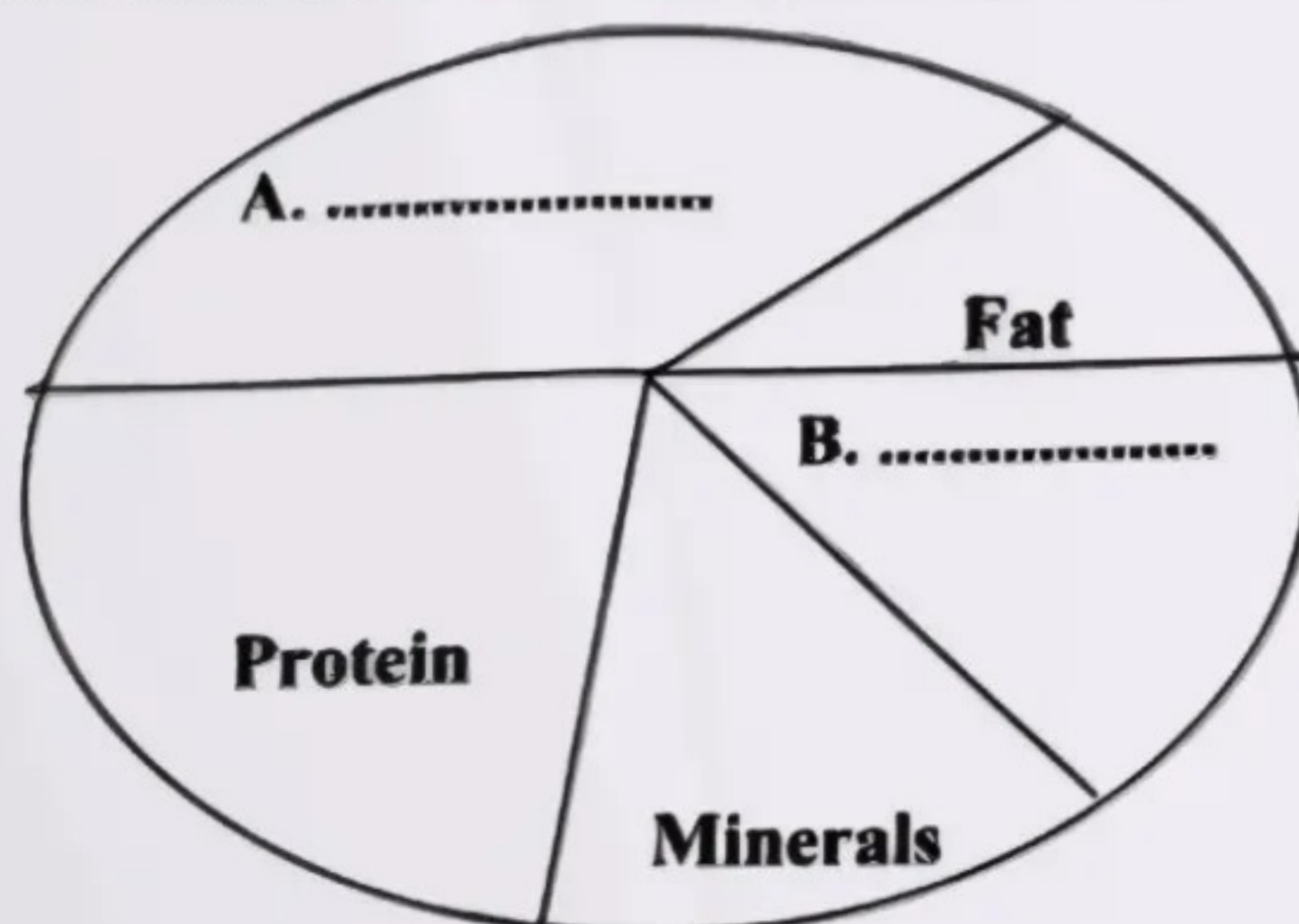
C. Statements ii and iii are correct

D. Statements i and ii are correct.

- b) A child washed vegetables after cutting them. His mother stopped him from washing the cut vegetables. Why?



- c) Complete the illustration based on the required quality of nutrients in a food pl



OR

5. (B) a) **Statement** : Eating cereals with bran, leafy vegetables, etc will help to facilitate egestion of faeces.

**Reason** : Fibre in these food items facilitate egestion of faeces.

- A. Statement correct, Reason incorrect    B. Statement incorrect Reason correct  
C. Both the Statement and the Reason is correct  
D. Both the Statement and the Reason are incorrect.

- b) Complete the table of food items and vitamins.

| Vitamins  | Food items |
|-----------|------------|
| Vitamin A | i. ....    |
| Vitamin B | Spinach    |
| Vitamin C | ii. ....   |
| Vitamin D | Egg        |

c)



Eating a lot of fatty food is not good for health

What health issues occur when there is excess cholesterol in blood?

6. Answer 6.(A) or 6.(B).

6. (A)



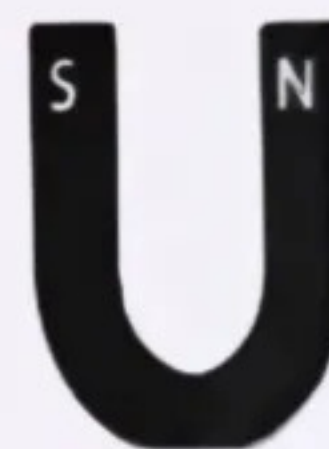
Magnetic needle



Ring magnet



Bar magnet



U magnet

Which of the above magnets is used in a magnetic compass?

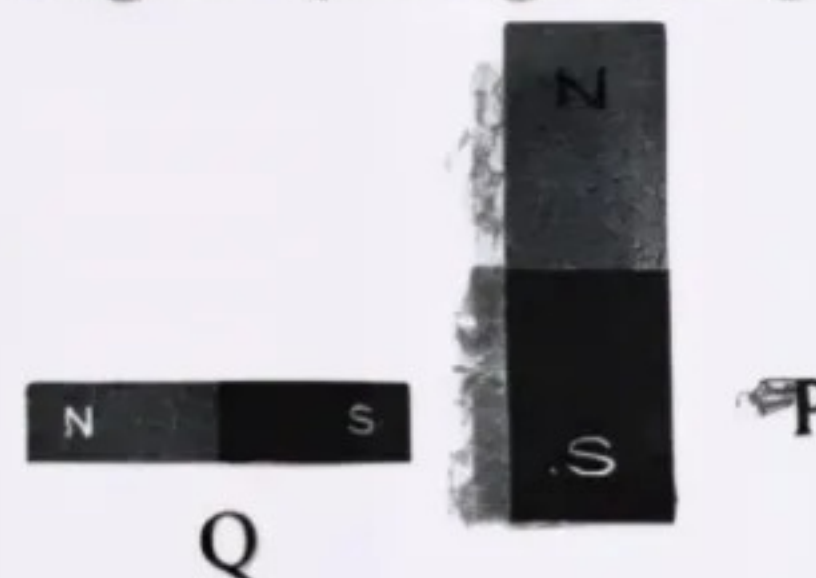
- b) Children placed a strong magnet used for experiments in the school lab in a box containing iron nails. Will the nails still be magnetic if they remove the magnet after a few days? Why?
- c) Write four situations in which magnets are used in our daily life.

OR

6. (B)

- a) Observe the picture showing a large bar magnet P and a small bar magnet Q. What will happen if the magnet P is slowly taken towards the magnet Q along a straight line?

- A. P will move away from Q  
B. Q will move towards P  
C. P will move towards Q  
D. Q will move away from P



- b) A bar magnet fell down and broke into two pieces while making a toy car.

Now its magnetic force will be lost



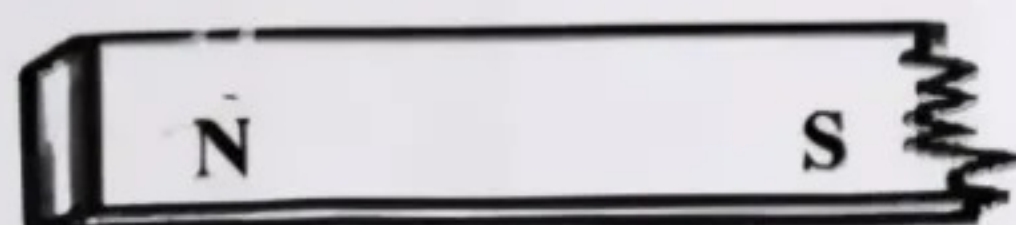
No, these pieces will become two small magnets

Child 1

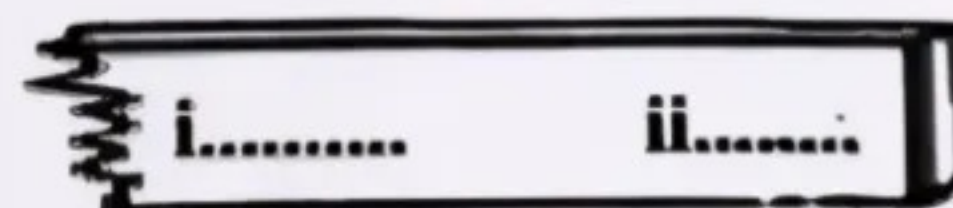
Child 2

Who is correct?

Label the poles of magnet B.



Magnet A



Magnet B

- c) Write down the method of experiment to test the magnetic force of a bar magnet using the items given below.

Blade, Scale, Thread, Bar magnets, PVC pipe stand