
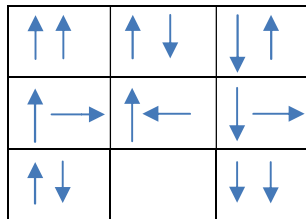


**SAMPLE PAPER- 2****REASONING**

1. Arrange the words given below in a meaningful sequence  
1.WINDOWS 2. WALLS. 3.ROOM. 4.FOUNDATION. 5.ROOF
  - a. 4,1,5,2,3
  - b. 4,3,5,2,1
  - c. 4,2,1,5,3
  - d. 4,5,3,2,1
2. Among P,Q,R,S and T each having a weight, R is heavier than P. S is lighter than Q and heavier than T.Who among them is heaviest
  - a. Q
  - b. P
  - c. S
  - d. R
3. Which of the following options best represent the given Venn diagram  

  - a. Doctor, dog, crow
  - b. Mother, father, painter
  - c. Banana, fruit, leaves
  - d. Bat, ball, dumbbell
4. Find out which of the figures, a, b, c, d completes the figure matrix.





a.



b.



c.



d.




5. Which of the following words will come last in the dictionary?

- a. Promissory
- b. Promptly
- c. Promotion
- d. Promptness

### SCIENCE

6. Below are given some pictures of food, which if not included in diet, can result in certain diseases. Select the correct option to match the picture.

COLUMN I	COLUMN II
<p>i</p> 	<p>p. goitre</p>



ii		q. osteoporosis
iii		r. anemia
iv		s. scurvy

- a. (i)-q, (ii)- p, (iii)-r, (iv)-s
- b. (i)- r, (ii)-s, (iii)-p, (iv)-q
- c. (i)-q, (ii)-p, (iii)-s, (iv)-r
- d. (i)-s, (ii)-p, (iii)-q, (iv)-r

7. Which if the following will combine with haemoglobin to form carboxyhaemoglobin?

- a. Carbon dioxide
- b. Carbon monoxide
- c. Oxygen
- d. Carbon dust

8. The male gamete in plants is present in-

- a. Androecium
- b. Gynoecium
- c. Carpel
- d. Pistil



9. Which of the following vitamins are soluble in fats?

- (i) Vitamin A
  - (ii) Vitamin B
  - (iii) Vitamin C
  - (iv) Vitamin D
  - (v) Vitamin K
- a. (i), (ii), (iii)
  - b. (ii), (iv), (v)
  - c. (iii), (v)
  - d. (i), (iv), (v)

10. Transpiration is the loss of water from the leaves and aerial parts of a plant. Below are some statements related to the process of transpiration. Read the statements carefully.

- (i) 90% of the water of a plant is lost through transpiration.
- (ii) Transpiration occurs in day as well as night.
- (iii) Transpiration helps in the conduction of only water, to all parts of the plant.
- (iv) Transpiration regulates the temperature of the plant.

Identify the correct statements and choose the appropriate option.

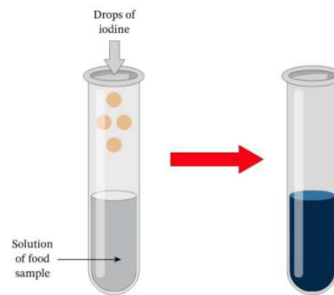
- a. i and ii are correct
- b. i, ii, and iii are correct.
- c. ii, iii and iv are correct
- d. i, ii and iv are correct

11. The deficiency of certain nutrients results in a deficiency disease, which is more common in developing countries in Africa and some areas in Asia. Children suffering from this disease are always low in energy, short tempered and unenthusiastic. What can this disease be?



- a. Kawasaki
- b. Marasmus
- c. Xerophthalmia
- d. Pellagra

12. A food sample was tested with Iodine solution. Below is the result of the experiment.



The above food sample can be

- a. Broccoli
- b. Kiwi
- c. Corn
- d. Orange

13.



The above picture is a modified

- a. Flower
- b. Fruit
- c. Branch
- d. Leaf



In question numbers **14 and 15** two statements, **Assertion (A)** and **Reason (R)** are given. Answer these questions by selecting the appropriate option given below-

- A. Both 'A' and 'R' are correct, and R is the correct reason for A.
- B. Both 'A' and 'R' are correct, but R is not the correct reason for A.
- C. A is correct but R is wrong.
- D. A is wrong and R is correct.

**14.Assertion (A)-** Boiling is better than steaming in cooking.

**Reason(R)-** Vitamin c gets leached in water.

- a. A
- b. B
- c. C
- d. D

**15.Assertion (A)-** Broccoli is a good source of iron and vitamin c

**Reason (R)-** Broccoli is a modified stem

- a. A
- b. B
- c. C
- d. D

### **ACHIEVER'S SECTION**

**16.**A flock of birds were found to lay soft shelled eggs. People were surprised to see the soft shells and investigated upon it. They found that

- a. Mutation made the shell soft
- b. Deficiency in calcium made the shell soft
- c. Deficiency in iron made the shell soft
- d. They were soft shell egg laying birds



Read the passage below and answer **Q17 and Q18**

The components of food which help our body in growth, maintaining life and to fulfill different needs of the body are called nutrients.

Carbohydrates, fats, proteins, vitamin, and minerals are the five primary nutrients. Vitamins and minerals activate various reactions within the body which help in utilization of food. Fiber and water present in food are not nutrients but an essential part of our food.

17. Which of the following form the most of our body weight?

- a. Protein
- b. Fats
- c. Carbohydrates
- d. Water

18. It is recommended that food should not be cooked at a high temperature for a long time. The reason behind is that high temperature destroys-

- a. Iron
- b. Vitamin D
- c. Vitamin C
- d. Sodium

19. Identify which of the fruits will have parallel venation

- (i) Sugarcane
  - (ii) Mango
  - (iii) Watermelon
  - (iv) Maize
  - (v) Banana
  - (vi) Mulberry
- a. (ii), (iv), (vi)
  - b. (i), (iii), (v)
  - c. (i), (iv), (v)
  - d. (ii), (iii), (v)



20. A leaf without a petiole is called

- a. Stipule
- b. Recessive
- c. Lamina
- d. Sessile

#### Answer Key

1.(c)	2.(a)	3.(c)	4.(a)	5.(d)	6.(d)	7.(b)	8.(a)	9.(d)	10.(d)	11.(b)	12.(c)	13.(d)	14.(d)	15.(c)
16(b)	17(d)	18(c)	19(c)	20(d)										

