

Sample paper,Half Yearly Examination

Subject -Science

Class:IV
M.M.50

General Instructions:

- (i) All questions are compulsory.
- (ii) Section A has very short answer type questions of 1 mark each
- (iii) Section B has short answer type questions of 2 marks each
- (iv) Section C has long answer type questions of 3 marks each
- (v) Section D has very long questions of 4 marks each

Section-A

Questions 1 to 10 are Multiple Choice Questions.Choose the correct option from the following .

(10×1=10)

- 1.The food gets partially digested in the _____
(a) mouth (b)stomach (c) small intestine (d) large intestine
- 2.What does the large intestine do with the food that can't be digested?
(a) Turns it into energy (b)Absorbs water and forms waste
(c) Sends it back to the stomach (d) Absorb the nutrients
3. The root of this plant stores food -
(a)Mango (b)Apple (c) Banana (d) Radish
- 4.We can avoid wastage of water by
(a)Using water sprinkler for irrigation (b)Over irrigation of fields
(c)Washing the jet of water (d) Leaving water to leak from taps
- 5.Identify the group of flowers which bloom in winter
(a) Dahlia, Rose,China rose (b) Lily, Rose,Chrysanthmum
(c) Dahlia, Sadabahar, China rose (d) Chrysanthmum ,Rose, Dahlia

6. Which of the following is a good eating habit?

- (a) Eating quickly to save time (b) Eating slowly and chewing food well
(c) Eating junk food daily (d) Eating only your favorite foods every day

7. Identify the colourful part of flower.

- (a) Stigma (b) Anther (c) Petal (d) Sepal

8. Ria's mother is thirty two years old. She is likely to have-

- (a) 20 permanent teeth (b) 20 temporary teeth
(c) 32 permanent teeth (d) 32 temporary teeth

9. Two major natural sources of water are

- (a) Rain and well (b) Snow and river
(c) Rain and snow (d) groundwater and river

10. Read both the statements given and choose the correct options:

Statement A-Rubber tree is not an evergreen tree.

Statement B-Rubber tree shed its leaves gradually.

Statement C- Rubber tree found in hilly areas.

- (a) A and B is true and C is false
(b) A and C is true and B is false
(c) B is true and A and C is false
(d) B and C is false and A is true

Complete the following analogy in question no 11 and 12.

(1+1)

11. Small intestine : Absorption of nutrients :: Anus : _____

12. Lavender: Perfume :: Clove: _____

13. Unscramble the given word.

(1)

MZIAE : Plant that have supporting root

14. Correct the statement.

(1)

Coconut tree grow in hilly region.

15. State any one factor causing shortage of water.

(1)

Section -B

16. Complete the given food path.

(2)

Mouth	Food pipe	A	Small intestine	B	Rectum
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17. Observe the diagram carefully and answer the following questions.

(2)



(i) Identify the plant shown above.

(ii) Why are the roots of these plants considered as special roots?

18. Classify the internal organs and external organs from following

(2)

Skin, Heart, Knees, Liver

19. Rita went to the market and saw different types of fruits in the market. She observed that these fruits are different from the fruits that she saw in winter season. Name one fruit each that grow in winter season and summer season.

(2)

20. Plant X is tall and straight and have needle-like leaves.

(1+1)

(i) Mention the habitat of the given plant.

(ii) Draw the diagram of the such kind of plants.

21. Weeds are undesirable plants that need to be removed from the fields. Why does removing weeds is an essential part of cultivation.

(2)

Section -C

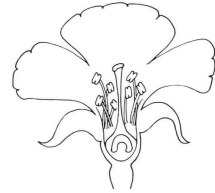
22. Identify and label following parts of flower in the given diagram.

(3)

A- The green part of flower that protect flower in bud stage

B- The part of the flower converts into fruit.

C- The female part of the flower.



23. Water is an important natural resource. Suggest any three ways to conserve water. (3)

24. You visited Rajasthan and notice that plants found in desert are able to survive in

extremely hot climate. These plants have specific features which help them to grow in such

harsh conditions.

(i) Name any one plant grow in the given habitat

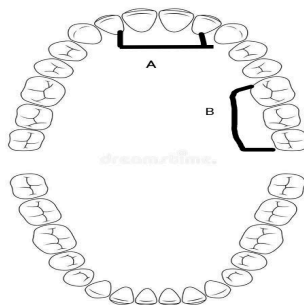
(ii) List any such two specific features of this plant.

(1+2)

25.(i) Identify A and B type of teeth in the diagram shown below.

(1+2)

(ii) Differentiate A and B on the basis of their functions. Write one point each.



26. Lotus is the national flower of India .It has special features that make it unique and able to survive in water.

- (i) State any two special features of Lotus.
- (ii) How is the Lotus plant different from Water hyacinth?

(2+1)

Section D

27.Sam's teacher asked him to identify the type of root system in the plants from his garden. He went to the garden and noticed that when he pulled out a carrot plant, it had a thick, central root with smaller roots growing out of it. He also noticed a grass that has lots of thin roots spreading out in the soil.He tries to pull up a small clump of grass, but it's difficult because the roots are holding the soil tightly together. (1+1+2)

- (i)What type of root does the carrots have?
- (ii) What type of root does the grass have?
- (ii) Give any one example each of other plants that have roots similar to grass and carrot.

28.A city that often experiences heavy rainfall during the monsoon season also faces water shortages during the rest of the year. The city council decides to implement rainwater harvesting systems in all public buildings, including schools, hospitals, and offices, to manage the water supply better.

(1+1+2)

- (i)What is rain water harvesting?
- (ii)How can the rainwater harvesting system benefit the city during the dry season? Mention two points.
- (iii) State any two ways to collect rainwater.

