INDIAN SCHOOL SALALAH
FINAL EXAMINATION – MARCH 2019

CLASS VI   **SCIENCE**   **Max.marks-80**

Time-21/2 hrs

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<u>General Instructions:</u>

i) **This question paper consists of 4 pages with 37 questions in all.**
ii) **All Questions are compulsory.**
iii) **Questions 1 -13 in Section A carry 2 marks each.**
iv) **Questions 14-22 in Section A carry 3 marks each.**
v) **Questions 23 -25 in Section A carry 5 marks each.**
vi) **Questions 26- 37 in Section B are multiple choice questions. Each question carries 1 mark. You are to select one most appropriate option out of the four provided.**

SECTION A

1. Define photosynthesis.Which is the gas released by the plant during this process?

2. Differentiate between soft and hard materials.

3. What is filtration? Give two examples of it.

4. List any four properties of a magnet?

5. What will happen if we use a rubber band as a switch in a closed circuit? Justify your answer.

6. Define the following.

   a. Cubit   b. Yard

7. You are given a bar magnet which has no markings to indicate its poles. How would you find out its poles?

8. What do you mean by a saturated solution? How would you change a saturated solution into an unsaturated solution?

9. Identify the type of motion taking place in the following:

   a. An apple falling from a tree.

   b. The strings of a guitar being played.

   c. Pedals of a bicycle in motion.

   d. Sprinters in a 80m race.

10. What are the characteristics of an image formed by a pinhole camera?

11. Define leaf venation? Which kind of a leaf venation would you expect to find in a plant with taproot?

12. Draw a flower and label the following parts:

    Pistil, stamen and Sepals

13. How is threshing different from winnowing?

14. List the precautions for the safe storage of a bar magnet and a horse-shoe magnet.

15. Draw and explain the parts of an electric bulb.

16. a.Define transpiration.

    b. Write an activity to show that transpiration occurs through the plant leaves.

17. How will you separate sand and salt from their mixture?

18. a. When is a shadow formed?

    b. State any two characteristics of shadows.

19. Explain how one can measure the length of a curved line.

20. Would the bulb connected in the electric circuits **(a)** and **(b)** shown below glow? Give reason.
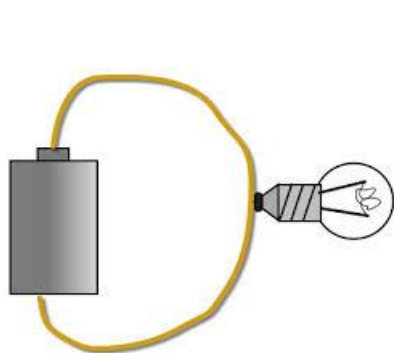
(a)   (b)

21.a. Why the parts of our body cannot be used as a standard unit of measurement?

    b. Priya has a piece of cloth that measures 200cm. Express the length of the cloth in m and in mm

22. Hand picking and sieving are the two methods of separation of solid components from their mixtures.

    a. Under which conditions handpicking is preferable over sieving?

    b. State any two reasons why we need to separate components from their mixtures.

23. a. Differentiate between an open and a closed circuit with help of a neat circuit diagram.(2 differences)

    b.Explain why an electric bulb with a broken filament does not light up.

24. a. Describe a method to magnetize an iron nail with a bar magnet.

    b. List any two uses of a magnet.

25. a. What is the difference between creepers and climbers?

    b. Write an activity to show that stems conduct water and minerals.

SECTION- B

26. Which of the following liquids are immiscible with each other?

    (a) Water and Milk   (b) Water and Vinegar

    (c) Water and Kerosene   (d) Water and Lemon juice

27. The part of the leaf by which it is attached to the stem is

    (a) Lamina   (b) Petiole

    (c) Leaf Blade   (d) Vein

28. Butter is separated from the milk by the process of

    (a) Evaporation   (b) Churning

    (c) Distillation   (d) Condensation

29. A motion that repeats itself after fixed intervals of time is known as

    (a) Periodic motion   (b) Circular motion

    (c) Rectilinear motion   (d) Curvilinear motion

30. The shape of a naturally occuring magnet is

    (a) Ball- ended shape   (b) Cylindical shape

    (c) U- shape   (d) None of the above

31. The flow of electric current in an electric circuit is from the

    (a) Positive terminal to the negative terminal of the cell

    (b) Negative terminal to the positive terminal of the cell

    (c) Positive terminal of the cell to the terminals of the bulb

    (d) Negative terminal of the cell to the terminals of bulb

32. Glass is an example of a

    (a) Translucent object   (b) Opaque object

    (c) Transparent object   (d) None of the above

33. Which of the following is not a luminous object?

    (a) Stars   (b) A burning candle   (c) Sun   (d) Moon

34. 7.5 km =----------------------------m

    (a) 75   (b) 75000   (c) 750   (d) 7500

35. A magnet lose its magnetism when it is

    (a) Cut into two pieces   (b) Heated

    (c) Used for a long time   (d) Kept in a wooden box

36. Ovary is present in the

    (a) Pistil   (b) Stamen

    (c) Sepals   (d) Pedicel

37. The property used for the separation of components from a mixture of two solids by winnowing is

    (a) Difference in colour   (b) Difference in size

    (c) Diffference in weight   (d) Quantity of the components present
    in it

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Final Examination – March 2019

Class :VI **Science - Answer key** **Max. Marks: 80**

Qn.no	Mark distribution
1	Definition(1) Oxygen (1)
2	One difference (2)
3	Definition (1) Any two examples of filtration(½ + ½)
4	Any four properties of magnet(4 X ½ = 2)
5	The bulb in the closed circuit will not glow or current will not flow in the circuit(1), rubber is an insulator (1)
6	a)Definition (1) b) Definition (1)
7	By using another bar magnet whose poles are marked and explanation(1 +1) OR By suspending the magnet using a thread and explanation (1+ 1)
8	Definition of saturated solution (1) , By heating (1)
9	a. rectilinear motion (½) b. Periodic motion(½) c. Circular motion (½) d. Rectilinear motion(½)
10	Any two characteristics of image (1+1)
11	Definition(1) Reticulate venation(1)
12	Diagram (½) labeling the three given parts(½+ ½+½)
13	Definition of threshing and winnowing(1 +1)
14	Storage of bar magnet (2) horse – shoe magnet (1)
15	Diagram + Labeling any two parts (½+1) Explanation (1½)
16	a. Definition (1) Activity (2)
17	Adding water(½) Explanation- Separation of sand(sedimentation and decantation or filtration) and Separation of salt(Evaporation) - (1½+ 1)
18	a. Shadow formation(1) b. Characteristics (2)
19	Explanation(3)
20	a. No(½) reason(1) b. Yes(½) Reason (1)
21	21. Measurement won't be uniform OR Measurement varies from person to person(1) b. 2m(1) 2000mm(1)
22	a. When one of the component is larger in size and less in quantity(2) b. Two reasons(½+ ½)
23	a.Two differences(2) Circuit diagram(1+1) b. break in the path current between the terminals of the cell OR becomes an open circuit(1)
24.	a. Explanation(3) b. Uses(1+1)
25	a. Difference (1+1) b. Activity(3)

26. c	27.b	28.b	29.a	30.d	31.a
32.c	33.d	34.d	35.b	36.a	37.C