Class 6 Science - Sample Paper Set II

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Time allowed: **3 hours;** Maximum marks: **90**

General Instructions:

   a) All Questions are compulsory
   b) The Question Paper consists of 42 Questions divided in to four sections A, B, C and D
   c) Section- A comprises of 15 questions of one mark each
   d) Section- B comprises of 11 questions of two mark each
   e) Section- C comprises of 11 questions of three mark each
   f) Section- D comprises of 5 questions of Four mark each

Section – A

1. The mineral required for the proper functioning of the thyroid gland is
      a. Iron
      b. Iodine
      c. Calcium
      d. Phosphorus

2. Hay and grains are eaten by
      a. Cats
      b. Lions
      c. Tigers
      d. Buffaloes

3. Which part of the flower protects it when it is in the bud form?
      a. Petals
      b. Sepals
      c. Stamen
      d. Filament

4. From which part of the jute plant is the jute fibre obtained?
      a. Stem
      b. Roots
      c. Leaves
      d. Flower

5. During which season is the jute plant cultivated?
      a. Rainy season
      b. Spring season
      c. Winter season
      d. Summer season

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6. Fibrous roots are associated with
    a. Carrots
    b. Parallel venation
    c. Many lateral roots
    d. Reticulate venation

7. Which of the following is not made of glass?
    a. Beaker
    b. Window
    c. Tumbler
    d. Window pane

8. Which of the following is not a property of plastics?
    a. They do not corrode.
    b. They can be moulded into any shape.
    c. They are obtained from petroleum oil.
    d. They are good conductors of heat and electricity.

9. The second hand of a clock moves _____ than the hour hand.
    a. Faster
    b. Slower
    c. With the same speed
    d. Faster only at some intervals

10. We cannot predict what is kept in a cardboard carton because
    a. Cardboard is opaque.
    b. Cardboard is translucent.
    c. Cardboard is transparent.
    d. Cardboard is dark in color.

11. Hand span and leg span are units of length which are _____ for all men.
    a. Not the same
    b. Exactly the same
    c. Approximately the same
    d. None of the above

12. The pendulum of a clock has
    a. Periodic motion
    b. Circular motion
    c. Rectilinear motion
    d. Curvilinear motion

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13. Which of the following is not a source of light?
    a. Candle
    b. Sun
    c. Torch
    d. Mirror

14. The length of a playground is ten times the length of a room. If room is 10 m long, then the playground is _____ long.
    a. 1 m
    b. 10 cm
    c. 100 m
    d. 1000 m

15. The movement of a screw driver is an example of
    a. oscillatory motion
    b. circular and linear motion
    c. rotatory and linear motion
    d. circular and rotatory motion

Section – B

16. What are omnivores? Give two examples.
17. Briefly describe the structure of stamen.
18. How will you show the presence of fats in groundnut?
19. Why mid-day meal scheme has been launched by India?
20. Give difference between periodic and non-periodic motion.
21. Why is it important to include roughage in our diet?
22. Explain how jute plants are harvested.
23. While measuring the length of a pencil with a scale, one end is at 3.0 cm and the other end at 9.5 cm. What is the length of the pencil in millimeters?
24. When a single yarn is pulled out continuously from a torn pair of socks, the fabric gets unraveled. Why?
25. Explain the process of shadow formation.
26. How does a tree look when seen through a pinhole camera? Show diagrammatically.

Section – C

27. Answer the following
    a. Name the insects which make honey.
    b. How do they make honey?
    c. What are honeycombs?

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28.
   a) How does a flower develop?
   b) How is water transported from roots to leaves?
29. List any three functions of proteins in our body.
30. Draw a diagram to show the different parts of a plant and label them.
31. What is spinning? Explain the process. Also name any two devices used for spinning.
32. Answer the following related to water:
   a. Which of the following are soluble in water?
      Groundnut Oil, Potassium Permanganate, Alum, Wax, Sugar, Sand, Petrol, Copper Sulphate
   b. What is the importance of oxygen gas dissolved in water?
   c. Name two gases which do not dissolve in water.
33.
   a. What are the different types of motion which take place when a car is turning around a roundabout?
   b. What is measurement?
34. In a completely dark room, will you be able to see your reflection in the mirror?
35.
   a. Shweta has a piece of cloth that measures 3.5 mtrs. How many smaller pieces can she make each measuring 50 cm in length.
   b. What can you tell about the motion of a raindrop when there is no wind?

36. What is the difference between transparent and opaque material?
37. Explain how clouds are formed.

Section - D

38. Define herbivores. List three special characteristics of herbivores.
39. Give the characteristics of the image formed by a plane mirror.
40. List any five ways by which we can conserve water.
41.
   a. Draw a well-labelled diagram showing the parts of a pistil.
   b. Briefly describe the structure of the female part of a flower.
42. A and B are two natural fibers. Fiber A is soft and smooth, and is separated from the seeds by the process C. Fiber A is used for making the wicks of oil lamps lit on Diwali. Fiber B is rough and is present as an outer covering on the ripened fruit D which occurs mainly in coastal areas. Fiber B is also known by another name E. This fiber is used for making ropes and mats.
   a. Name fiber A.
   b. Process C is known as?
   c. Name fiber B.
   d. Write the name E.

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