ST. MARGARET SR. SEC. SCHOOL
MID-TERM EXAMINATION 2024-25

Time: 2 Hr 30 Min   SCIENCE   M.M.= 60
                            SAMPLE PAPER
                            CLASS VI

GENERAL INSTRUCTIONS:
All questions are compulsory.
Section A carries 1 mark each.
Section B carries 2 marks each.
Section C carries 3 marks each.
Section D carries 5 marks each.

SECTION -A

Select the correct option (Q1-16) (MCQ)

Q1. Plants take carbon dioxide from the air through tiny openings found on the
   (a) fruits (b) roots   (c) leaves   (d) stems

Q2. Threshing is done by
   (a) beating   (b) animals   (c) machines   (d) all of these

Q3. Which of the following type of plants has thick, hard and woody stem?
   (a) Climber   (b) Herb   (c) Shrub (d) Creepers

Q4. Which of the following is not a nutrient?

   (a) Carbohydrate   (b) Water   (c) protein   (d) Vitamins

Q5. A solid is dissolved in water. Which one of the following methods can be used to separate it?
   (a) Filtration (b) Decantation   (c) Distillation   (d) Evaporation.

Q6. Starch can be tested by using
   (a) copper sulphate solution (b) iodine solution   (c) caustic soda (d) Fehling solution.

Q7. Which of the following floats in water?

   (a) Wax (b) Marble (c) Eraser (d) Coin

Q8. Which part of plant is not always present?
   (a) Root   (b) Fruit   (c) Leaf   (d) Stem

Q9. Which of the following can be compressed easily?

   (a) Stone (b) Iron   (c) Steel   (d) Gas

Q10. The invention of which of the following has made a great change in modes of transport?
   (a) Wheel   (b) Steam engine   (c) Fire   (d) Taming animals

Q11. Image formed by a pinhole camera is
      (a) erect   (b) inverted   (c) sometimes erect, sometimes inverted   (d) none of these

Q12. 10 millimetres is equal to

  (a) 1 metre (b) 1 centimetre (c) 1 Kilometre (d) 1 decimetre

Q13. When a light ray returns back after striking the surface of the plane mirror is called
(a) reflected ray   (b) incident ray   (c) both (a) and (b)   (d) none of these

Q14. The motion of pendulum is
(a) Oscillatory   (b) periodic (c) Both (a) and (b)   (d) Rectilinear
Q15. . Air is
(a) transparent   (b) translucent   (c) both of these   (d) none of these

Q16. A mesh which is used to separate things on the basis of their difference in size
     (a) sieve   (b) thresher   (c) filter paper   (d) none of these

Q17.**Read the following passage and answer the following questions**.
What is the type of flower X called? The flower X has only three parts A,B and C has
structure called D on it. D is a bilobed structure present on a thin filament.
 1. Part A is very small and green in colour while part B is large and
    brightly coloured.
2. Name the parts A and B.
3. Name part C and part D present on it.
4. What does the part D contain?

**Q18. For question numbers 1 to 4 two statements are given- one labelled Assertion
(A) and the other labelled Reason (R). Select the correct answer to these questions
from the codes (a), (b), (c) & (d).**
  (a) Both (A) and (R) are true and (R) is the correct explanation of the assertion.
 (b) Both (A) and (R) are true and (R) is not the correct explanation of the assertion.
 (c) (A) is true but (R) is false.
 (d) (A) is false but (R) is true.
   1. **Assertion (A):** Plants release a lot of water into the air through the process of
      transpiration.
      Reason (R): The water is released through the leaves in the form of water vapour.
   2. **Assertion (A):** Shadow is always black.
      Reason (R): A shadow only shows the outline of an object.
   3. **Assertion (A):** Motion of moon around the earth is a circular motion.
      Reason (R): In a circular motion, the distance of object from a fixed point remains the
      same.
   4. **Assertion (A):** The process of settling of heavier insoluble particles from a suspension
      of a substance in water known as decantation.
      Reason (R): This process along with sedimentation is used to get clear water from
      muddy water.
Q19.Name the disease due to the presence of iodine.
Q20.Write the names of two materials that have lustre.
Q21. Name two gases that are insoluble in water
Q22.Name the pigment that needed for photosynthesis.
Q23. Name the nutrient needed for the growing children.
Q24.Define measurement
Q25. What is saturated solution
Q26. Define herbs
Q27.Give one example of a combination motion and specify ant two motions in it.
Q28. State two characteristics of an image formed by a mirror.
Q29. What is winnowing?
Q30. State the principle behind the working of a pin hole camera.
<div align="center">**SECTION B**</div>
Q31.Which type of glasses are used in shops displaying the objects and why?
Q32. Differentiate between tap root and fibrous root.
Q33. What is the need for the standard units of measurement?

Q34. State any two differences between transparent and translucent objects.
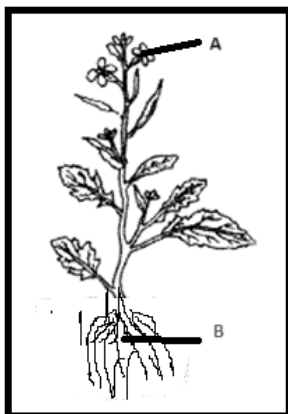Q35. Define bisexual flower. Give two examples.

SECTION C

Q36. a. Why a cubit cannot be used as the standard unit of length?
    b. The height of a person is 1.65 m. Express it into cm and mm.   1+2
Q37. State any three important functions of a leaf.
Q38. a. Why is the moon not considered as a luminous body?
    b. What is a shadow? How does the colour of an opaque object affect the colour of the shadow?   1+2

SECTION D

Q39. A. Draw a will labelled diagram of female reproductive part of a flower.

    B. What is the relation between leaf venation and the type of roots?

    C. Name the parts A and B and write their functions of parts shown in the figure 1 given below.

Figure 1

1+2+2