

CBSE Board
Class VI Science
Term 1
Sample Paper - 1

Time: 3 hrs

Total Marks: 100

General Instructions:

1. The question paper consists of 44 questions and is divided into four sections, A, B, C and D
 2. All questions are compulsory.
 3. Section A comprises of question numbers 1 to 20. These are multiple choice questions carrying one mark each. You are to select one most appropriate response out of the four provided options.
 4. Section B comprises of question numbers 21 to 30. These are SAQ's carrying two marks each.
 5. Section C comprises of question numbers 31 to 40. These are SAQ's carrying four marks each.
 6. Section D comprises of question numbers 41 to 44. These are SAQ's carrying five marks each.
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SECTION-A

Attempt all questions from this section.

- Q 1. Mineral required for the proper functioning of thyroid gland is: (1)
- A. Iodine
 - B. Iron
 - C. Calcium
 - D. Phosphorus
- Q 2. Hay and grains are eaten by: (1)
- A. Lions
 - B. Cats
 - C. Tigers
 - D. Buffaloes
- Q 3. Which part of the flower protects it when it is in the bud form? (1)
- A. Androecium
 - B. Gynoecium
 - C. Calyx
 - D. Corolla

- Q 4. Fibrous roots are associated with: (1)
- A. Parallel venation
 - B. Reticulate venation
 - C. Carrots
 - D. Many lateral roots

- Q 5. The heart is protected by the: (1)
- A. Ball and socket joints
 - B. Ribcage
 - C. Backbone
 - D. Skull

- Q 6. The body of the earthworm lacks: (1)
- A. Muscles
 - B. Bones
 - C. Rings
 - D. Digestive system

- Q 7. Which process is being shown in the image below? (1)



- A. Knitting
 - B. Spinning
 - C. Weaving
 - D. Combing
- Q 8. Which of the following is called the golden fibre? (1)
- A. Wool
 - B. Silk
 - C. Jute
 - D. Coir
- Q 9. During which season is the jute plant cultivated? (1)
- A. Winter season
 - B. Summer season
 - C. Spring season
 - D. Rainy season

Q 10. We cannot predict what is kept in a cardboard carton because: (1)

- A. Cardboard is opaque
- B. Cardboard is transparent
- C. Cardboard is translucent
- D. Cardboard is dark in colour

Q 11. Find the odd one out of following: (1)



- A. Bag
- B. Ice-cream cone
- C. Pencil
- D. Bag and ice-cream cone

Q 12. Which of the following material is not made up of glass? (1)

- A. Window
- B. Window pane
- C. Tumbler
- D. Beaker

Q 13. Which is not a property of plastics? (1)

- A. They do not corrode
- B. They can be moulded into any shape.
- C. They are good conductor of heat and electricity.
- D. They are made from petroleum oil

Q 14. The second hand of a clock moves _____ than the hour hand. (1)

- A. faster
- B. slower
- C. with same speed
- D. faster only at some intervals

Q 15. The length of the playground is ten times the length of the classroom. If the classroom is 10 m long, the playground is ____ long. (1)

- A. 100 m
- B. 100 cm
- C. 1 m
- D. 1000 m

Q 16. Handspan and legspan are units of length that are _____ for all men. (1)

- A. exactly same
- B. not same
- C. same for most of them
- D. approximately same

Q 17. The pendulum of a clock has: (1)

- A. Periodic motion
- B. Circular Motion
- C. Rectilinear Motion
- D. All of the above

Q 18. Which of the following is not a source of light? (1)

- A. Candle
- B. Sun
- C. Torch
- D. Mirror

Q 19. Image formed by a pin hole camera is: (1)

- A. Real and inverted
- B. Virtual and inverted
- C. Real and erect
- D. Virtual and erect

Q 20. Image formed in a mirror is: (1)

- A. Coloured
- B. Black and white
- C. Yellow
- D. Wheatish

SECTION-B

- Q 21. Briefly describe the structure of stamen. (2)
- Q 22. What are omnivores? Give two examples. (2)
- Q 23. How will you show the presence of fats in groundnut? (2)
- Q 24. Which type of joint exists between: (2)
- i. Upper jaw and rest of skull
 - ii. Lower jaw and rest of skull
- Q25. When a single yarn is pulled out continuously from a torn pair of socks, the fabric gets unraveled. Why? (2)
- Q26. Explain how are jute plants cultivated? (2)
- Q27. You are given a task to make an umbrella. List four materials you will require to make it? (2)
- Q28. While measuring the length of a pencil with a scale, one end is at 2.5 cm and the other end at 9.2 cm. What is the length of the pencil in millimetres? (2)
- Q29. Explain the process of shadow formation. (2)
- Q30. How does a tree looks like when seen through pin hole camera? (2)

SECTION-C

- Q 31. (4)
- (i) Name the insects which make honey.
 - (ii) How do they make honey?
 - (iii) Where do they store honey?
 - (iv) What are honeycombs?
- Q 32. (4)
- (i) How does a flower develop?
 - (ii) How does water move up the stem?

- Q 33. (4)
- (i) Write the importance of skull.
 - (ii) What is function of the discs of cartilage present between the vertebrae of backbone?
- Q 34. Draw a diagram to show the parts of a plant and label them. (4)
- Q 35. What is a loom? For what purpose is it used? What is the difference between handloom and powerloom? (4)
- Q 36. (4)
- (a) What is the importance of oxygen gas dissolved in water?
 - (b) How is the carbon dioxide gas dissolved in water helpful to the plants which live in water?
 - (c) Name two examples of gases which do not dissolve in water.
- Q 37. Which of the following are soluble in water and which are insoluble in water? (4)
Groundnut oil, Potassium permanganate, Alum, Wax, Sugar, Sand, Petrol, Copper sulphate
- Q 38. (4)
- (i) What are the different types of motion that take place when a car is turning about a round about?
 - (ii) What is measurement?
- Q 39. (4)
- (i) A cricket bat is 11 times longer than the scale in your geometry box. If the length of the scale is 15cm, what is the length of the cricket bat?
 - (ii) What can you tell about the motion of a raindrop when there is no wind? What if there is a wind blowing?
- Q 40. (4)
- (i) What is pinhole camera?
 - (ii) How does the word F appear in a pin hole camera?

SECTION-D

Q 41. (5)

- (i) Briefly describe the structure of female part of a flower.
- (ii) What is pollination?
- (iii) Name the agents of pollination.

Q 42. Explain how an earthworm moves? (5)

Q 43. (5)

A and B are the two natural fibres. Fibre A is very soft and smooth which is separated from the seeds by the process C. Fibre A is used for making the wicks of oil lamps lit on Diwali. Fibre B is very rough which is present as an outer covering on the ripened fruit D which occurs mainly in coastal areas. Fibre B is also known by another name E. This fibre is used for making ropes and mats.

- (a) Name the fibre A.
- (b) What is the process C known as?
- (c) Name the fibre B.
- (d) What is the name of fruit D?
- (e) Write the name E.

Q44. Give the characteristics of image formed by a plane mirror. (5)