



CBSE
Class VI Science

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 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 question numbers 21 to 30. These are SAQs carrying two marks each.
 5. Section C comprises question numbers 31 to 40. These are SAQs carrying four marks each.
 6. Section D comprises question numbers 41 to 44. These are SAQs carrying five marks each.
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SECTION A

- Q.1** The mineral required for the proper functioning of the 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. Filament
B. Stamen
C. Sepals
D. Petals



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 From which part of the jute plant is the jute fibre obtained? (1)
A. Leaves
B. Roots
C. Stem
D. Flower

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 the following: (1)



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

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

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

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

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

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

- A. Faster
- B. Slower
- C. With the 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, then the playground is _____ long. (1)

- A. 10 cm
- B. 1 m
- C. 100 m
- D. 1000 m

Q.16 Hand span and leg span are units of length which are _____ for all men. (1)

- A. Exactly the same
- B. Not the same
- C. Approximately the same
- D. None of the above

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 The image formed by a pinhole camera is _____ (1)

- A. Erect
- B. Upside down
- C. Bent at an angle
- D. None of the above

Q.20 The image formed in a mirror is _____ (1)

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



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
- Q.25** When a single yarn is pulled out continuously from a torn pair of socks, the fabric gets unravelled. Why? (2)
- Q.26** Explain how jute plants are harvested. (2)
- Q.27** You are given a task to make an umbrella. List four materials you will require to make it. (2)
- Q.28** 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)
- Q.29** Explain the process of shadow formation. (2)
- Q.30** How does a tree look when seen through a pinhole camera? (2)

SECTION C

- Q.31** (4)
(i) Name the insects which make honey.
(ii) How do they make honey?
(iii) Where do the insects store honey?
(iv) What are honeycombs?
- Q.32** (4)
(i) How does a flower develop?
(ii) How is water transported from roots to leaves?



Q.33 (4)

- (i) Write the importance of the skull.
- (ii) What is the function of the discs of cartilage present between the vertebrae of the backbone?

Q.34 Draw a diagram to show the parts of a plant and label them. (4)

Q.35 What is spinning? Explain the process. Also name any two devices used for spinning. (4)

Q.36 (4)

- (i) What is the importance of oxygen gas dissolved in water?
- (ii) How is carbon dioxide gas dissolved in water helpful to plants which live in water?
- (iii) 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 which take place when a car is turning around a roundabout?
- (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 15 cm, 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 a pinhole camera?
- (ii) How does the word F appear in a pinhole camera?



SECTION D

Q.41 (5)

- (i) Draw a well-labelled diagram showing the parts of a pistil.
- (ii) Briefly describe the structure of the female part of a flower.

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

Q.43 (5)

A and B are two natural fibres. Fibre A is soft and smooth, and 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 rough and 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.

- (i) Name fibre A.
- (ii) What is process C known as?
- (iii) Name fibre B.
- (iv) What is the name of fruit D?
- (v) Write the name E.

Q.44 Give the characteristics of the image formed by a plane mirror. (5)