

**Goa Board  
Class VI Science  
Term 1  
Sample Paper - 1**

**Time: 3 hrs**

**Total Marks: 100**

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**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)