

**Goa Board**  
**Class VI Science**  
**Term 1**  
**Sample Paper - 3**

**Time: 3 hrs****Total Marks: 100****General Instructions:**

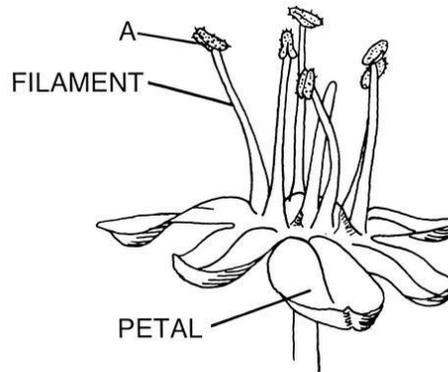
1. The question paper consists of 44 questions and is divided into four sections, A, B, C and D.
2. All questions are compulsory.
3. Section A comprises question numbers 1 to 20. These are multiple choice questions carrying one mark each. You are to select one most appropriate response out of the four 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.

**SECTION A**

- Q.1** Which plant shows a fibrous root system? (1)
- A. Sweet potato
  - B. Radish
  - C. Turnip
  - D. Coconut
- Q.2** Carnivores eat (1)
- A. Grains
  - B. Flowers
  - C. Leaves
  - D. Animals
- Q.3** Deficiency of vitamin B causes (1)
- A. Poor sight
  - B. Beriberi
  - C. Goitre
  - D. Weak bones

**Q.4** Identify A in the given diagram:

(1)



- A. Anther
- B. Ovary
- C. Stamen
- D. Filament

**Q.5** Which type of joint is shown in the given image?

(1)



- A. Hinge joint
- B. Ball and socket joint
- C. Pivot joint
- D. Fixed joint

**Q.6** Which one of the following is not an arm bone in the human skeleton?

(1)

- A. Humerus
- B. Ulna
- C. Femur
- D. Radius

**Q.7** Which cloth is made of stem fibres of flax plant?

(1)

- A. Cotton
- B. Jute
- C. Wool
- D. Linen

- Q.8** After people began to settle in agricultural communities, they learnt to weave twigs and grass into which of the following articles? (1)
- A. Mats
  - B. Baskets
  - C. Both A and B
  - D. Swords
- Q.9** A single yarn is used for making fabric by which process? (1)
- A. Weaving
  - B. Knitting
  - C. Ginning
  - D. Bailing
- Q.10** Which of the following material is transparent? (1)
- A. Tinted glass
  - B. Coloured glass
  - C. Television screen
  - D. Wind shield
- Q.11** What is common in a rubber ball, a football and a glass marble? (1)
- A. Nothing in common.
  - B. They are made of the same material.
  - C. They are of the same size.
  - D. They are of the same shape.
- Q.12** You are given a list of items: (1)  
Tiffin box, Pencil, School bag, Bottle, Frying pan, Duster, Slipper, Books  
Select the items which can be used both in the classroom and at home.
- A. Pencil, School bag, Duster, Slippers
  - B. Pencil, Books
  - C. Pencil, Frying pan
  - D. Pencil, Duster, Slippers
- Q.13** Silverware becomes black when exposed to air but regains its lustre on polishing. This is because (1)
- A. Silver is a metal, and metals have lustre.
  - B. Silver is a transparent material.
  - C. Silver is insoluble in water.
  - D. Silver is an expensive metal.

- Q.14** Foot and yard are units to measure \_\_\_\_\_. (1)  
A. Length  
B. Time  
C. Weight  
D. Volume
- Q.15** 1 km/h = \_\_\_\_\_ m/s (1)  
A. 5/18  
B. 18/5  
C. 50/3  
D. 3/50
- Q.16** A cubit is a length equal to (1)  
A. Distance between the nose and the toe  
B. Distance between the fingertips and the elbow  
C. 3 metres  
D. Distance between the outstretched arm to the chin
- Q.17** The string of a guitar and the surface of a drum have \_\_\_\_\_ motion. (1)  
A. Circular  
B. Rectilinear  
C. Periodic  
D. Rotatory
- Q.18** If the object that is blocking the path of light is very near the light source, (1)  
A. Then the shadow will be larger than the object.  
B. Then the shadow will be smaller than the object.  
C. Then the shadow will be of the same size as the object.  
D. Then there will be no shadow.
- Q.19** We see the Moon because it \_\_\_\_\_. (1)  
A. Emits light  
B. Reflects light  
C. Absorbs light  
D. Is in the sky
- Q.20** A pinhole camera is a simple application of the \_\_\_\_\_. (1)  
A. Reflection of light  
B. Refraction of light  
C. Scattering of light  
D. Rectilinear propagation of light

**SECTION B**

**Q.21** Name any two plants which show reticulate venation. (2)

**Q.22** Give two examples each of climbers and creepers. (2)

**Q.23** What is the role of the rib cage? (2)

**Q.24** Mention any two functions of calcium. (2)

**Q.25**  
(i) What is jute fibre composed of? (2)  
(ii) Why is jute fibre used for making gunny bags? (2)

**Q.26** Name the categories which you will place the following pictures in? (2)



**Q.27** Name four materials which were used by the people in ancient times to cover themselves. (2)

**Q.28** A sharpener is one-fourth the length of a pen. A pen is twice the length of an eraser. If the length of the eraser is 6 cm, what is the length of the sharpener? (2)

**Q.29** What are the conditions required to see a clear image of an object through a pinhole camera? (2)

**Q.30** Shopkeepers use glass containers to keep chocolates. Why? (2)



**SECTION C**

- Q.31** (4)
- (i) Which part of the earthworm's body helps in its movement?
  - (ii) Mention any two important functions of the backbone.
- Q.32** (4)
- (i) What are the hip bones called? What is their role?
  - (ii) Mention any two important functions of the backbone.
- Q.33** (4)
- (i) Why are groundnut and mustard seeds called oilseeds?
  - (ii) What is the difference between herbivores and carnivores?
- Q.34** (4)
- (i) What is the difference between the leaves of an orchid plant and a lemon plant?
  - (ii) Which part of the plant produces food and how?
- Q.35** (4)
- (i) What happens when cotton bolls mature?
  - (ii) What is ginning? How is it done?
  - (iii) State the various uses of cotton fibres.
- Q.36** (4)
- (i) Name two materials which are lighter than water and two which are heavier than water.
  - (ii) Name two materials which are miscible with water and two which are immiscible with water.
- Q.37** Name two objects each which can be made of the following materials: (4)
- (i) Glass (ii) Leather (iii) Copper (iv) Cotton
- Q.38** Give the definitions of four important types of motion. (4)
- Q.39** (4)
- (i) A 30-cm scale has one end broken. The mark at the broken end is 2.6 cm. How would you use it to measure the length of your pencil?
  - (ii) Write any two precautions which are a must while measuring.

**Q.40** (4)

- (i) What do you mean by 'shadow'? How is it formed?
- (ii) When a bird is on the ground, we are able to see its shadow; but when a bird is flying high up in the sky, we do not see any shadow. Explain both the cases.

### SECTION D

**Q.41** (5)

- (i) What is the stem of a plant?
- (ii) State the various functions of the stem in a plant.

**Q.42**

- (i) What is a joint?
- (ii) Name the four types of joints in the human body.
- (iii) Draw a labelled diagram to show the elbow joint. (5)

**Q.43** (5)

The material P obtained from an animal's skin is converted into Q by a process R. Q is then made into a sweater by the technique S. What are P, Q, R and S? What type of material is P?

**Q.44** Describe an activity to show that light travels in a straight line. (5)