

# Maharashtra State Board

## Class VI Science

### Sample Paper – 2

**Time: 2 hrs**

**Total Marks: 60**

**General Instructions:**

1. All questions are compulsory.
2. The marks related to the question are given in brackets.

**I. Choose the correct alternative:**

**[15]**

1. Every standardised weight has a hole in the centre which is filled with
  - (a) Mercury
  - (b) Lead
  - (c) Tin
  - (d) Aluminium
2. The androecium of any flower is located between
  - (a) Calyx and corolla
  - (b) Corolla and gynoecium
  - (c) Gynoecium and calyx
  - (d) The position varies in every flower
3. Which of the following is a non-flowering plant?
  - (a) Datura
  - (b) Mango
  - (c) Fern
  - (d) All of the above
4. Which one of the following does not sublime?
  - (a) Iodine
  - (b) Mercury
  - (c) Sal ammoniac
  - (d) Camphor
5. \_\_\_\_\_ is observed as Ozone Day every year.
  - (a) 1 December
  - (b) 5 June
  - (c) 16 September
  - (d) 8 March

- 6.** A bottle opener is
- (a) A lever of first order
  - (b) A lever of second order
  - (c) A lever of third order
  - (d) None of the above
- 7.** The central solid part of the core is made of
- (a) Iron and nickel
  - (b) Iron and cobalt
  - (c) Nickel and cobalt
  - (d) Iron and silica
- 8.** Life span for a dog is
- (a) 12–16 years
  - (b) 12–14 years
  - (c) 16–18 years
  - (d) 18–20 years
- 9.** The layer present between the chest and abdominal cavity is called
- (a) Rib cage
  - (b) Oesophagus
  - (c) Trachea
  - (d) Diaphragm
- 10.** When elephants carry big wooden planks, the force applied is
- (a) Mechanical force
  - (b) Gravitation force
  - (c) Muscular force
  - (d) Both a and b
- 11.** \_\_\_\_\_ is the unit to measure the area of fields.
- (a) Square metres
  - (b) Kilometres
  - (c) Quintals
  - (d) Hectares
- 12.** Motion whose direction changes continuously is called
- (a) Oscillatory motion
  - (b) Linear motion
  - (c) Random motion
  - (d) Circular motion

- 13.** The function of aerial roots in a banyan tree is
- (a) Absorption
  - (b) Protection
  - (c) Support
  - (d) Both a and c
- 14.** Which of the following is not a characteristic feature of mammals?
- (a) Four-chambered heart
  - (b) Warm-blooded
  - (c) Skin covered with scales
  - (d) Mammary glands
- 15.** Which among the following are included in kitchen wastes?
- (a) Tea leaves
  - (b) Fruit peels
  - (c) Vegetable peels
  - (d) All of the above

**II. Answer the following:**

**[10]**

- 16.** Give two examples of each:
- (a) Movement in plants
  - (b) Plant which excretes gums
- 17.** Distinguish between tree and shrub.
- 18.** What is time? How is it measured?
- 19.** Which methods will you use to separate substances from the following mixtures?
- (a) Mixture of iron filing and soil
  - (b) Mixture of camphor and sawdust
  - (c) Mixture of tea and tea leaves
  - (d) Mixture of grain and dirt
- 20.** Draw a well-labelled diagram of the digestive system of human.

**III. Answer the following:**

**[15]**

- 21.** Explain heat is a form of energy.
- 22.** Write any three causes of air pollution.
- 23.** Write the different ways to take care of machines.
- 24.** What causes change in seasons and climate?
- 25.** State the uses of radar system in measuring speed.

**IV. Answer in brief:**

**[20]**

- 26.** On what basis are levers classified? Explain all the types of levers and give examples.
- 27.** How is milk powder obtained?
- 28.** Describe the structure of a leaf with the help of a labelled diagram.
- 29.** When does an object hung to a spring balance become still?
- 30.** What care must be taken to prevent the contamination of water supply in villages?