

# PT4/ANNUAL EXAMINATION, 2022-23

## SCIENCE

Time - 3 hrs.

Class – VI (Set-A)

M.M. – 80

Name of the student \_\_\_\_\_ Section \_\_\_\_\_ Date - 17.02.2023 (Friday)

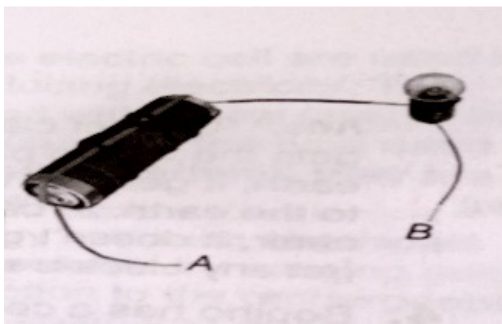
### GENERAL INSTRUCTIONS-

- This question paper consists of two sections A and B.
- Section A carries total 30 objective questions from QI to QIV. (1 mark each)
- All objective questions are compulsory.
- Section B carries total of 19 subjective questions from Q V to QVII.
- Attempt **any 5** questions from QV (2 Marks each), QVI (3 Marks each) and Q VII (5 Marks each).

### SECTION - A Objective questions

- I. Choose the correct option (14x1=14)**
- i. Winnowing is the process that can be used to separate -  
a) sand & saw dust    b) sugar & salt    c) potatoes & tomatoes    d) mud & water
- ii. Earthworms breathe through their -  
a) skin    b) gills    c) lungs    d) stomata
- iii. Which of the following is **not** an example of response to stimulus?  
a) Watering in mouth when we see delicious food items.  
b) Closing of leaves of Mimosa plant when touched.  
c) Shutting our eyes when an object is suddenly thrown in our direction.  
d) A chick hatching out of an egg.
- iv. Which one of the following is a biotic component of an environment?  
a) Plants    b) Animals    c) Microorganisms    d) All of these
- v. Which of the following is the SI unit of length?  
a) Metre    b) Centimetre    c) Kilometre    d) All of these
- vi. Which of the following shows a correct relationship?  
a) 1 m = 100 cm    b) 1 cm = 100 mm    c) 1 km = 100 m    d) 1 km=1000 cm
- vii. Which of the following object/s is/are translucent?  
a) A piece of wood    b) Frosted glass    c) Butter paper    d) Both (B) and (C)
- viii. Which of the following image/s is/are inverted and small?  
a) Image formed on the screen of cinema hall    b) Image formed by a plane mirror  
c) Image formed by a pinhole camera    d) Both A and B

- ix. Observe the following diagram carefully and choose the correct option.



- The bulb will not glow if the ends A and B are connected with -----
- a) a steel spoon      b) a metal clip      c) a plastic clip      d) a copper wire
- x. Usha took a lump of dry soil in a glass and added water into it till it was completely immersed. She observed bubbles coming out from glass. The bubbles contain -----
- a) Water vapour      b) Only oxygen gas      c) Air      d) None of these
- xi. Which of the following component is present in the largest amount in the air?
- a) Nitrogen      b) Oxygen      c) Water vapour      d) Carbon dioxide
- xii. When a bar magnet is brought near iron dust, most of the dust sticks..... the bar magnet.
- a) near the centre of.      b) equally everywhere on.  
c) near two ends of.      d) at the middle and ends of.
- xiii. A freely suspended bar magnet always rests in:
- a) north-south direction      b) east-west direction  
c) upside down      d) any direction by chance
- xiv. Plants having parallel venation have----- root
- a) tap      b) fibrous      c) prop      d) all types of

**II. Fill in the blanks: (1x5=5)**

- i. In the process of ----- butter is obtained from milk.
- ii. When we look into ----- mirror our left hand appears as a right hand.
- iii. Materials which do not allow electric current to pass through them are called-----.
- iv. The component of air used by green plants to make their food is -----.
- v. A magnet always has ----- and ----- poles.

**III. Write true or false for each of the following: (1x4=4)**

- i. Magnets attract materials like paper, rubber, wood.
- ii. Carbon dioxide gas is used up during respiration.
- iii. The female reproductive part of the flower is called the pistil.
- iv. Motion of a child on a swing is periodic motion.

**IV. Write answer in one word: (1x7=7)**

- i. Name the process of loss of water from the plants in the form of water vapour.

- ii. Small plants with soft, green stem are called \_\_\_\_\_
- iii. Which method of separation is used to separate grains from the stalk?
- iv. What is the type of motion shown by pendulum of a clock?
- v. Name the type of object which allows light to pass partially through it.
- vi. \_\_\_\_\_ is the layer of air around the earth.
- vii. Which instrument is used to find direction by sailors in ancient time?

### SECTION - B Subjective Questions

**V. Very short answer questions: (Any 5) (2X5=10)**

- i. List any four common characteristics of the living organisms.
- ii. Write any two examples of periodic motion.
- iii. In a completely dark room, if you hold up a mirror in front of you, will you be able to see your image? Why?
- iv. Write any two properties of magnet.
- v. List any two activities possible due to presence of air.
- vi. Write about any two ways of storing magnets safely.

**VI. Short answer questions: (Any 5) (3x5=15)**

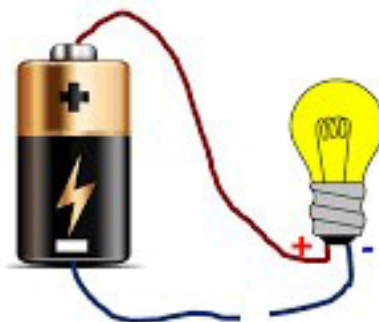
- i. Write any three adaptations shown by the cactus plant.
- ii. Write down any three functions of stem.
- iii. The height of a person is 1.85 m. Express it in cm and mm.
- iv. What is a pin hole camera? State any two characteristics of image formed by it.
- v. Draw a well labelled diagram of **any one** of the following: (**label any three parts**)
  - (a) Structure of electric cell      (b) Parts of a flower      (c) Filtration
- vi. What is venation? Differentiate between parallel and reticulate venation.

**VII. Long answer questions. (Any 5) (5x5=25)**

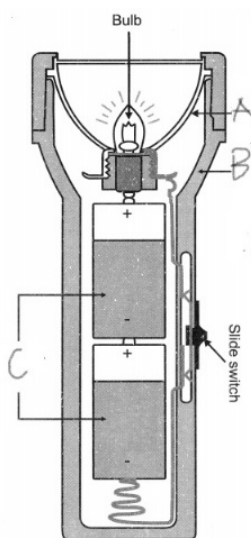


- i. a) Identify the process of separating substances in the figure given above. Write one example of mixture for which this method of separation is used. **(2)**
- b) Write the most suitable method of separation for the mixtures given- **(3)**
  - (i) Salt and water   (ii) Husk and wheat   (iii) Tea leaves from tea

- ii. a) Why do we need to separate different components of a mixture? Give two reasons. **(3)**  
 b) Is it possible to separate sugar mixed with wheat flour? If yes, how will you do it? **(2)**
- iii. Define habitat. Write about the adaptation of plants and animals in mountain regions.  
 (Any 4 points). **(5)**
- iv. a) Write three precautions which you will take while measuring the length of an object using a meter scale. **(3)**  
 b) While measuring the length of a knitting needle, the reading of the scale at one end is 3 cm and at the other end is 33.1 cm. What is the length of the needle? **(2)**



- v. a) Will the bulb glow in the arrangement shown above? Justify your answer. **(2)**  
 b) Label parts A, B and C in the diagram shown below. **(3)**



- vi. Write an activity to show that air supports burning? **(5)**  
 vii. You are given an iron strip. How will you make it into a magnet? Describe. **(5)**

**OR**

How will you find direction with the help of a magnet? Explain the process / activity.

