

**SAMPLE PAPER**

*No. of pages/questions -6/32*

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**Annual Examination – (2022-2023)**

**Class/Sec- VI/ \_\_\_\_\_**

**Subject – Science**

**Name \_\_\_\_\_**

**MM – 80**

**Time- 3 hrs**

**Roll No. \_\_\_\_\_**

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*Fifteen minutes extra will be given for reading the Question Paper.*

*General Instructions –*

- 1. The Question Paper comprises of 6 sections A,B,C,D,E,F. There are 32 questions in the Question Paper. All the questions are compulsory.**
  - 2. Section A, Q1 to Q8 comprises of 8 MCQ type questions and carries 1 mark each.**
  - 3. Section B, Q9 & Q10 are of case-based type questions.**
  - 4. Section C, Q11 is Assertion-Reason type question.**
  - 5. Section D, Q12 to Q20 are very short answer type questions, carries 2 marks each.**
  - 6. Section E, Q21 to Q29 are short answer type questions, carries 3 marks each.**
  - 7. Section F, Q30 to Q32 are long answer type questions, carries 5 marks each.**
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**SECTION - A**

**Choose the correct option.**

**Q1.** Change of milk into curd is a change of

- (a) Physical                      (b) Chemical                      (c) Reversible                      (d) Slow

**Q2.** Which of these is not an example of terrestrial habitat?

- (a) Lake                      (b) Hill                      (c) Grassland                      (d) Forest

**Q3.** Collecting garbage and taking it to a low lying open area is called

- (a) Dumping                      (b) Landfill                      (c) Incineration                      (d) Leachate

**Q4.** The path along which an electric current flows is called

- (a) Terminal                      (b) Filament                      (c) Current                      (d) Electric circuit

**Q5.** Things when cooled, they

- (a) Contract                      (b) Expand                      (c) Spread                      (d) Both a & b

**Q6.** Number of cells are joined to make a

- (a) Battery                      (b) Holder                      (c) Terminal                      (d) Wire

**Q7.** Which of the following leaves has Parallel venation?

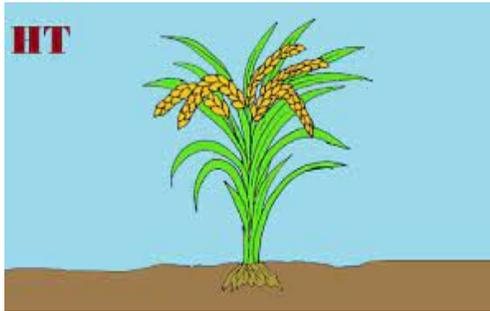
- (a) Banyan                      (b) Grass                      (c) Peepal                      (d) Guava

**Q8.** Blue bins are used for collecting wastes of

- (a) Kitchen                      (b) Animals                      (c) Plastics                      (d) Plants

### SECTION -B

**Q9.** Look at the diagram and answer any four questions.



**(i)** See the above diagram and identify what kind of plant it is.

- (a) Tree                      (b) Herb                      (c) Shrub                      (d) Climber

**(ii)** This kind of plants have \_\_\_\_\_ roots.

- (a) Tap                      (b) Lateral                      (c) Stored                      (d) Fibrous

**(iii)** These leaves have \_\_\_\_\_ venation.

- (a) Parallel                      (b) Reticulate                      (c) Brown                      (d) Curved

**(iv)** They have stem that is

- (a) Soft & green                      (b) Soft & woody                      (c) Strong & hard                      (d) Woody & green

**(v)** The parts of the leaves that carry food and water through the leaf

- (a) Chlorophyll                      (b) Veins                      (c) Spores                      (d) Stomata

**Q10. Read the following paragraph and answer any four questions.**

The reason magnetic compasses work as they do is that Earth itself acts as an enormous bar magnet with a north-south field that causes freely moving magnets to take on the same orientation. The direction of Earth's magnetic field is not quite parallel to the north-south axis of the globe, but it is close enough to make an uncorrected compass a reasonably good guide. A compass is a navigational instrument for determining direction relative to the Earth's magnetic poles. It consists of a magnetized pointer (usually marked on the North end) free to align itself with Earth's magnetic field. The compass greatly improved the safety and efficiency of travel, especially ocean travel.

(i) Earth behaves like a

- (a) Compass                      (b) Bar magnet                      (c) Horse-shoe magnet                      (d) Needle

(ii) A hanging bar magnet always stops in the directions

- (a) N-S                      (b) S-S                      (c) N-N                      (d) E-W

(iii) A compass is used to know

- (a) Maps                      (b) Directions                      (c) Distance                      (d) Length

(iv) A navigational instrument

- (a) Iron bar                      (b) Magnetic field                      (c) Magnetic Compass                      (d) Magnetic poles

(v) The needle of a magnetic compass that is painted red indicates the direction

- (a) East                      (b) West                      (c) North                      (d) South

**SECTION -C**

**Q11. A statement of Assertion is given by the corresponding statement of Reason. Choose the correct answer.**

(i) **Assertion** – The organisms, live in water are said to live in aquatic habitats.

**Reason** – The organisms, live on land are said to live in terrestrial habitats.

- (a) Assertion and reason both are correct and reason is correct explanation for assertion.  
(b) Assertion and reason both are correct and reason is not correct explanation for assertion.  
(c) Assertion is correct but reason is wrong statement.

(d) Assertion is wrong but reason is correct statement.

**(ii) Assertion** – Some plants reproduce through vegetative parts.

**Reason** – Some plants can not reproduce through seed formation..

(a) Assertion and reason both are correct and reason is correct explanation for assertion.

(b) Assertion and reason both are correct and reason is not correct explanation for assertion.

(c) Assertion is correct but reason is wrong statement.

(d) Assertion is wrong but reason is correct statement.

**(iii) Assertion** – Plants and animals are interdependent to each other.

**Reason** – All animals do not need oxygen to breathe.

(a) Assertion and reason both are correct and reason is correct explanation for assertion.

(b) Assertion and reason both are correct and reason is not correct explanation for assertion.

(c) Assertion is correct but reason is wrong statement

(d) Assertion is wrong but reason is correct statement.

**(iv) Assertion** – Chlorophyll in the leaves are responsible for exchange of gases.

**Reason** – The oxygen released by the plants helps balancing O-CO<sub>2</sub> cycle.

(a) Assertion and reason both are correct and reason is correct explanation for assertion.

(b) Assertion and reason both are correct and reason is not correct explanation for assertion.

(c) Assertion is correct but reason is wrong statement

(d) Assertion is wrong but reason is correct statement.

### SECTION -D

**Q12.** Name two changes that are slow.

**Q13.** Define (i) Pelvic girdle (ii) Ribcage

**Q14.** Explain the movement of a snail.

**Q15.** As a good citizen how can you keep the public places clean (two ways)?

**Q16.** How is garbage from home disposed?

**Q17.** How can you make compost from the kitchen wastes?

**Q18.** How will you show that air is present in the soil?

**Q19.** Define the sign and write how it is beneficial for the surroundings..



**Q20.** What are the uses of oxygen (write any two).

### **SECTION -E**

**Q21.** Take a paper and burn it. What kind of change is it? Can it be reversed back?

Explain your answer.

**Q22.** What is reversible change? Write two examples of it.

OR

Write the differences between desirable and undesirable changes with examples.

**Q23.** How does an earthworm move? Draw and explain.

**Q24.** Explain how earth behaves like a huge bar magnet.

**Q25.** Draw backbone of a human being and explain it.

**Q26.** Label the bulb.



OR

What are conductors? How can you protect yourself from electric shock?

**Q27.** Where is the attraction more in a bar magnet? Write an activity to proof it.

**Q28.** Which gas is needed for burning things? Show it with an activity.

OR

How can you proof air occupys space and has weight?

**Q29.** Explain any three components of air.

**SECTION -F**

**Q30.** Draw a leaf and show its lamina, margin, midrib and veins. Describe midrib and lamina.

OR

What are the types of roots? Draw and explain it with examples describing two jobs of roots.

**Q31.** Describe terrestrial habitats and explain all of them those come under this habitat.

OR

Define any five

(i) Biotic components

(ii) Respiration

(iii) Reproduction

(iv) Aquatic habitats

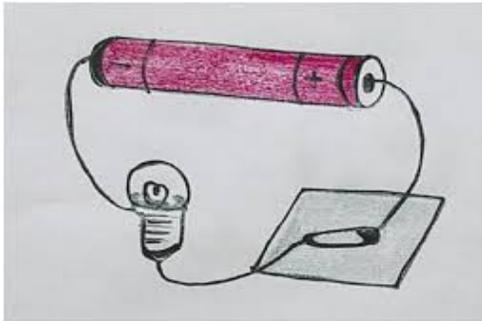
(v) Excretion

(vi) Stimuli

**Q32.** Draw and label “inside view of a cell”.

OR

(i)



Look at the condition and explain it.

(ii) How can you make a switch?