

V6S

Virudhunagar District
Summative Assessment - December 2023



Standard - 6

SCIENCE

Time Allowed: 2.00 Hours

Maximum Marks: 60

I. Choose the appropriate answer:

8 × 1 = 8

1. The device which converts chemical energy into electrical energy is _____.
a) fan b) solar cell c) cell d) television
2. Air pollution leading to acid rain is a
a) reversible change b) fast change
c) natural change d) human made change
3. _____ is the percentage of Nitrogen in air.
a) 78% b) 21% c) 0.03% d) 1%
4. Which one of the following is not an unicellular organism?
a) Yeast b) Amoeba
c) Spirogyra d) Bacteria
5. Most organelles in an eukaryotic cell is found in the
a) cell wall b) cytoplasm
c) nucleus d) vacuole
6. Main organ of respiration in human body is
a) stomach b) spleen c) heart d) lungs
7. Circulatory system transports these throughout the body
a) Oxygen b) Nutrient
c) Hormones d) All of these
8. Pen drive is _____ device.
a) output b) input
c) storage d) connecting cable

II. Fill in the blanks:

4 × 1 = 4

9. The SI unit of temperature is _____.
10. _____ gas turns lime water milky.
11. The instrument used to observe the cell is _____.
12. The _____ is the largest sense organ in our body.

III. True or False, If false give the correct answer:

4 × 1 = 4

13. Secondary cell can be used only once.
14. Digestion of food is a physical change.
15. Planting trees help in decreasing global warming.
16. Blood is produced in the bone marrow.

IV. Analogy:

3 × 1 = 3

17. Photosynthesis : _____ charge : : burning of coal : Human-made change.
18. Prokaryote : Bacteria : : Eukaryote : _____.
19. Lungs : Respiratory system : : _____ : Circulatory system

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2

5×1=5

V. Match the following:

- | | | |
|---------------------|---|----------------|
| 20. Temperature | - | Nucleus |
| 21. Carbon-di-oxide | - | Output device |
| 22. Control center | - | Photosynthesis |
| 23. Diaphragm | - | Kelvin |
| 24. Keyboard | - | Flat muscles |

8×2=16

VI. Give short answer: (any 8)

25. Make a list of electrical equipments at home which we get heat from.
26. What type of circuit is there in a torch light?
27. Draw the circuit diagram for series connection.
28. What is a solution?
29. Name the five layers of atmosphere.
30. Arrange in a correct sequence:
 - a) Hen's egg, Ostrich's egg, Insect's egg.
 - b) Elephant, Cow, Bacteria, Mango tree, Rose plant.
31. Which one is called as "Area of movement"?
32. What are the essential components of a cell?
33. Arrange in correct sequence:
 - a) Stomach → Large intestine → Oesophages → Pharynx → Mouth → Small intestine → Rectum → Anus
 - b) Urethra → Ureter → Urinary bladder → Kidney
34. Name the five important sense organs.
35. Write the function of epiglottis.
36. Name the parts of a computer.

VII. Answer in detail:

4×5=20

37. a) Explain thermal expansion with suitable examples.
(OR)
b) What is the source of electricity? Explain the various power stations in India.
38. a) Give one example for each case that happens around you.
 - a) Slow and Fast change
 - b) Reversible and Irreversible change
 - c) Physical and Chemical change
 - d) Natural and Man-made change
 - e) Desirable and Undesirable change
 (OR)
b) Why is atmosphere essential for life on earth?
39. a) Draw a neat labelled diagram of a prokaryotic cell.
(OR)
b) i) Distinguish between Prokaryotic and Eukaryotic cells.
ii) Give any three examples of Eukaryotic cell.
40. a) List out the functions of the Human skeleton.
(OR)
b) List out the functions of Endocrine system and Nervous system.