

V6S

Virudhunagar District Common Examinations
Summative Assessment - December 2022

Standard 6

SCIENCE

Time: 2.00 Hrs.

Marks: 60

I. Choose the appropriate answer:

8×1=8

- 1) When an object is heated, the molecules that make up the object
 - a) begin to move faster
 - b) lose energy
 - c) become heavier
 - d) become lighter
- 2) Electricity is produced in
 - a) Transformer
 - b) Power Station
 - c) Electric Wire
 - d) Television
- 3) Air pollution leading to acid rain is a
 - a) Reversible Change
 - b) Fast Change
 - c) Natural Change
 - d) Human made change
- 4) The constituent of air that supports combustion is _____
 - a) Nitrogen
 - b) Carbon-di-oxide
 - c) oxygen
 - d) water vapour
- 5) The 'Control Centre' of the eukaryotic cell is
 - a) cell wall
 - b) Nucleus
 - c) Vacuoles
 - d) Chloroplast
- 6) Which one of the following is not an unicellular organism?
 - a) Yeast
 - b) Amoeba
 - c) Spirogyra
 - d) Bacteria
- 7) Main Organ of respiration in human body is
 - a) Stomach
 - b) Spleen
 - c) Heart
 - d) Lungs
- 8) Pendrive is _____ device
 - a) Output
 - b) Input
 - c) Storage
 - d) Connecting cable

II. Fill in the blanks:

4×1=4

- 9) The hotness of the object is determined by its _____.
- 10) _____ gas turns lime water milky.
- 11) The part of the skeleton that protects the brain is _____
- 12) The egg of an Ostrich is the _____ single cell.

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

4×1=4

- 13) The switch is used to close or open an electric current.
- 14) Burning of match stick is reversible change.
- 15) Nerve cell is the longest cell.
- 16) All the waste products of the body are excreted through the circulatory system.

IV. Analogy:

3×1=3

- 17) Photosynthesis : _____ : : Respiration : Oxygen
- 18) Spirogyra : Plant Cell : : Amoeba : _____
- 19) Arteries : Carry Blood from the heart : : _____ : Carry blood to the heart.

V. Match the following:

5×1=5

- 20) Temperature - Ozone Layer
- 21) Stratosphere - Connecting Cable
- 22) Gate of the cell - Air Sacs
- 23) VGA - Kelvin
- 24) Lungs - Cell membrane

V6S**VI. Give short answer: (Any 8)**

- 25) Make a list of electrical equipments at home which we get heat from?
- 26) Circle the odd one out. Give reason for your choice.
Switch, Bulb, Battery, Generator
- 27) What is thermal expansion?
- 28) What is solution?
- 29) You are given some Candle Wax. Can you make a candle doll from it? What kind of change is this?
- 30) What is atmosphere? Name the five layers of atmosphere?
- 31) Arrange in a correct sequence:
a) Hen's egg, Ostrich's egg, Insect's egg
b) Urethra, Ureter, Urinary Bladder, Kidney
- 32) Give any three examples of eukaryotic cell.
- 33) Why cell are called building blocks of life?
- 34) Name the five important sense organ.
- 35) List out the function of the human skeleton.
- 36) Name the parts of computer.

4×5=20**VII. Answer in detail:**

- 37) Explain thermal expansion with suitable examples.

(OR)

Write short notes on conductors and insulators.

- 38) 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)

Why is atmosphere essential for life on earth?

- 39) Tabulate any five cell organelles and their functions?

(OR)

Draw a neat labelled diagram of a prokaryotic cell.

- 40) a] Define the term 'Trachea'
b] Differentiate between the voluntary and involuntary muscles.

(OR)

List out the functions of Endocrine System and Nervous System.

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