

6217

HALF YEARLY EXAMINATION - 2022

STD - VI

SCIENCE

MARKS : 60

TIME : 2.30 Hrs

PART - A

I. Choose the best answer.

10 x 1 = 10

1. The unit of heat is
a) newton b) joule c) volt d) celsius
2. One litre of water at 40°C is mixed with one litre of water at 60°C. The temperature of the mixture will be
a) 100°C b) more than 50°C but less than 100°C
c) 20°C d) around 50°C
3. Electricity is produced in
a) transformer b) power station c) electric wire d) television
4. is a good conductor.
a) silver b) wood c) rubber d) plastic
5. When ice melts to form water, change occurs in its
a) position b) colour c) state d) composition
6. is the percentage of nitrogen in air
a) 78% b) 21% c) 0.03% d) 1%
7. The constituent of air that supports combustion is
a) nitrogen b) Carbon-di-oxide c) oxygen d) Water vapour
8. A 'Control centre' of the eukaryotic cell is
a) cell wall b) nucleus c) vacuoles d) Chloroplast
9. Main organ of respiration in human body is
a) Stomach b) Spleen c) Heart d) Lungs
10. Which one of the following is an input device?
a) Speaker b) Keyboard c) monitor d) printer

PART - B

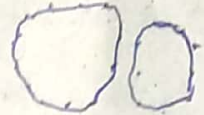
II. Answer any 15 of the following shortly.

15 x 2 = 30

11. Make a list of electrical equipments at home which we get heat from?
12. What is thermal expansion?
13. Can you produce electricity from Lemon?
14. Draw the circuit diagram for series connection.
15. Silver is a good conductor but it is not preferred for making electric wires. Why?
16. What is secondary cells. Give an examples.

17. Define slow change.
18. What is a solution?
19. Can deforestation be considered a desirable change. Explain.
20. Fill in the blanks.

- a) The gas given during photosynthesis is
- b) gas turns lime water milky.



21. What should be done if the clothes of a person caught fire accidentally? Why?
22. Why do traffic assistance wear a mask on duty?
23. Arrange in a correct sequence. *Hen egg, Ostrich egg, Insect egg*

24. Match the following :

- | | | |
|------------------------|---|------------------|
| a) Control center | - | Mitochondria |
| b) Food producer | - | nucleus |
| c) Gate of the nucleus | - | Chloroplast |
| d) Energy producer | - | nuclear membrane |



25. What are the essential components of a cell?

26. Arrange in correct sequence.

Urethra → Ureter → Urinary bladder → Kidney

27. Write the function of epiglottis?

28. Name the five important sense organs.

29. Write the three types of blood vessels.

30. Name the parts of a Computer.



PART - C

III. Answer four questions by choosing one question from each part. $4 \times 5 = 20$

31. Explain thermal expansion with suitable examples. (OR)

What is the source of electricity? Explain the various power stations in India.

32. Write short notes on conductors and insulators. (OR)

Give one example in 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 |

33. Why is atmosphere essential for life on earth? (OR)

Draw a neat labelled diagram of a animal cell.

34. Why do we sweat more in summer? (OR)

Draw a neat diagram of Kidney and their parts.

