

V

## COMMON SECOND MID - TERM TEST - NOV. 2019

## STANDARD - VII

Reg.No.

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Time : 2.00 hrs

## SCIENCE

Marks: 60

## SECTION - A

## I. Choose the correct answer:

10×1=10

- The body temperature of a healthy man is
  - 0°C
  - 37°C
  - 98°C
  - 100°C
- International unit of measuring temperature
  - Kelvin
  - Fahrenheit
  - Celsius
  - Joule
- Small amounts of electrical Current are measured in milliampere (mA). How many Millaimpere are there in 0.25A?
  - 2.5 mA
  - 25 mA
  - 250 mA
  - 2500 mA
- The unit of Electrical Conductivity
  - Ohm
  - Siemens /meter
  - Meter
  - Ohm-meter
- The chemical change is
  - Water of clouds
  - growth of a tree
  - Cowdung to biogas
  - Ice-cream to molten icecream.
- \_\_\_\_\_ is not a chemical change.
  - Dissolution of ammonia in water
  - Dissolution of CO<sub>2</sub> in water
  - Dissolution in water
  - Melting of Polar ice caps
- When a Woolen Yarn is knitted to get a Sweater the change can be classified as \_\_\_\_\_.
  - Physical change
  - Chemical change
  - Endothermic change
  - Exothermic change
- Basis unit of life \_\_\_\_\_.
  - Cell
  - Protopla
  - Cellulose
  - Nucleus
- Which part of the cell is called the brain of the cell.
  - Lysosome
  - Ribosome
  - Mitochondria
  - Nucleus
- Suitable term for the various components & cell is
  - Tissue
  - Nucleus
  - Cell
  - Cell organelle

## SECTION - B

## Any 15 question Answer only:

15×2=30

- Define Temperature.
- Write the properties of Mercury.
- What is the use of Kink in clinical thermometer?
- i) At room temperature Mercury is in \_\_\_\_\_ state.  
ii) -7°C temperature is \_\_\_\_\_ than 0°C temp.
- Match the following:
 

i) Clinical Thermometer	-	A form of energy
ii) Heat	-	100°C
iii) Boiling point of water	-	37°C
iv) Melting point of water	-	0°C
	-	Kink

16. What is Battery?

17. Define - fuse.

18. i) Length : Meter Scale : Current : Cobius scaleii) Copper : Conductor : Wood : non-conductor

19. Assertion and Reason :

Assertion (A) : Insulators do not allow the flow of current through themselves.

Reason (R) : They have no free charge carriers.

- If both A and R false
- If A true and R false
- If both A and R true R is correct explanation of A
- If both A and R true R is not a correct explanation of A

20. True or False - It false given the correct answer.

- The representation of the electric current is A.T
- Election flow is in the same direction to conventional current flow.

21. Analogy:

- Physical change Boiling : Chemical change heating.
- Forest fire non periodic change : Change in period in a school : Periodic change

22. Growing of nails is a periodic change. Why?

23. Is Solar eclipse a periodic change? Give your reason.

24. Define : Evaporation.

25. Define : Freezing.

26. What does cell Membrane. do?

27. Draw the structure of Mitochondria and label the parts.

28. Match the following:

- |                         |   |                       |
|-------------------------|---|-----------------------|
| i) Transporting channel | - | Nucleus               |
| ii) Control room        | - | Endoplasmic reticulum |
| iii) Power House        | - | Lysosome              |
| iv) Food producer       | - | Chloroplast           |
|                         | - | Mitochondria          |

29. Why the cell is very important for us?

30. Write about the difference between Plant cell & Animal cell.

### SECTION - C

Each part any one question write:

4×5=20

#### PART - I

31. State the similarities and differences between the laboratory thermometer and the clinical thermometer. (OR)

What must be the temperature in Fahrenheit. So that it will be twice its value in Celsius?

#### PART - II

32. Explain the heating effect of electric current? (OR)  
Explain the construction and working of a dry cell.

#### PART - III

33. Explain the following statement. Digestion is a chemical change. (OR)  
A very hot glass on putting in cold water cracks. What does this change. Why?

#### PART - IV

34. Virus called Acellular why? (OR)  
Specialised cell, structure, Function is explained.

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