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COMMON SECOND MID - TERM TEST - 2022

Standard - VII
SCIENCE

Reg.No.

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Marks: 60

Time: 2.00 hrs.

10×1=10

I. Choose the correct Answer:

- International unit of measuring temperature is _____.
a) kelvin b) Fahrenheit c) Celsius d) Joule
- The body temperature of a healthy man is
a) 0°C b) 37°C c) 98°C d) 100°C
- Mercury is often used in laboratory thermometers because it _____.
a) is a harmless liquid b) is silvery in colour and is attractive in appearance
c) Expands uniformly d) is a low cost liquid
- _____ of the following are endothermic changes.
a) Condensation and melting b) Condensation and Freezing
c) Evaporation and melting d) Evaporation and Freezing
- The Chemical change is _____.
a) Water to clouds b) growth of a tree
c) Cow dung to bio gas d) Ice cream to molten ice -cream
- _____ is an example of a periodic change.
a) Earthquake b) Formation of rainbow in sky
c) Occurrence of tides in sea d) Showering of rain
- Basis unit of life.
a) cell b) Protoplasm c) Cellulose d) Nucleus
- Which part of the cell is called the brain of the cell?
a) Lysosome b) Ribosome c) Mitochondria d) Nucleus
- _____ helps in cell division
a) Endoplasmic reticulum b) Golgi complex c) Centriole
d) nucleus
- Suitable term for the Various Components of cell is
a) Tissue b) Nucleus c) cell d) Cell organelle.

II. Fill in the Blanks:

5×1=5

- At room temperature Mercury is in _____ state.
- 7°C temperature is _____ than 0°C temperature.
- Filling up a balloon with hot air is a _____ change.
- Spoiling of food is a _____ change.
- Unicellular organisms Can only be seen under a _____.

III. True or false - If false give the correct answer.

5×1=5

- Cutting of cloth is an example of a Periodic change.
- Tarnishing of silver is an example of endothermic change
- Animal cells have a cell wall.
- Only Plant cells have chloroplasts.
- Human stomach is an organ.

IV. Match the following:

- | | | |
|--------------------------|---|-----------------------|
| 21. Transporting channel | - | Nucleus |
| 22. Suicidal bag | - | Endoplasmic reticulum |
| 23. Control room | - | Lysosome |
| 24. Power house | - | Chloroplast |
| 25. Food Producer | - | Mitochondria |

V. Analogy:

5×1=5

26. Physical change : Boiling ; Chemical change _____.
27. Forest fire : _____ change : : change in Period in school : Periodic change
28. Bacteria : Micro organism : : Mango tree? _____.
29. Adipose : tissue : : eye : _____.
30. Chloroplast : Photosynthesis : : Mitochondria

VI. Answer any ten questions: (short answer)

10×2=20

31. What is the use of kink in clinical thermometer?
32. Why do we use mercury in thermometers?
33. Convert the given temperature
(i) $-20^{\circ}\text{C} = \text{___ K.}$ (ii) $100\text{k} = \text{___ }^{\circ}\text{C}$
34. State two examples of periodic changes.
35. Mention any two exothermic reaction.
36. Heart beat is a periodic change why?
37. Distinguish Physical and chemical changes.
38. Is Solar eclipse a Periodic change? Give your reason.
39. What are the functions of cell wall in plant cell?
40. What does cell membrane do?
41. What are the main things in a nucleus?
42. Why lysosomes are known as Scavengers of the cell?

VII. Answer briefly:

2×5=10

43. a) Draw the diagram of a clinical thermometer and label its parts. (OR)
b) State the similarities and differences between the laboratory thermometer and the clinical thermometer.
44. a) Explain the following statement Digestion is a chemical change. (OR)
b) Write about any three cell organelles in detail.