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Mid-Term Exam Question Paper

2023



KSHATRIYA VIDHYASALAMATRIC. HR. SEC. SCHOOL

Second Mid Term Exam – November 2023

SCIENCE (Lesson-1,3,4)

Time : 1.30Hours **Marks: 50** **Std: VII** **Reg.No.:** | | | | | | |

I. Choose the correct answers. **[10×1 = 10]**

1) International unit of measuring temperature is
   a) Kelvin b) Fahrenheit c) Celsius d) Joule
2) The body temperature of a healthy man is
   a) 0°C b) 37°C c) 98°C d) 100°C
3) In thermometer when bulb comes in contact with hot object, liquid inside it
   a) expands b) contracts c) remains same d) none of above
4) When a woolen yarn is knitted to get a sweater, the change can be classified as _____.
   a) physical change b) chemical change c) endothermic change d) exothermic change
5) 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
6) _____ helps in cell division
   a) Endoplasmic reticulum b) Golgi complex c) Centriole d) Nucleus
7) Which one of the following is not an unicellular organism?
   a)Yeast b) Amoeba c) Spirogyra d) Bacteria
8) Which part of the cell is called the brain of the cell?
   a) Lysosome b) Ribosome c) Mitochondria d) Nucleus
9) Under the microscope Priya observes a cell that has a cell wall and distinct nucleus. The cell that she observes is _____.
   a) a plant cell b) an animal cell c) a nerve cell d) a bacterial cell
10) The unit of measurement used for expressing dimension (size) of cell is _____.
   a) centimeter b) millimeter c) micrometer d) meter

II. Fill in the blanks. **[5 × 1 = 5]**

11) At room temperature Mercury is in _____ state.
12) The common laboratory thermometer is a _____ thermometer.
13) Filling up a balloon with hot air is a _____ change.
14) The instrument used to observe the cell is _____.
15) Cytoplasm plus nucleoplasm is equal to _____.

III. True or False. If false, give the correct answer. **[5 × 1 = 5]**

16) Cutting of cloth is an example of a periodic change.
17) Taking a glass of water and freezing it by placing it in the freezer is a chemical change.
18) Tarnishing of silver is an example of endothermic change.
19) Nerve cell is the longest cell.
20) Cell membrane is fully permeable

IV. **Match the following.** **[5 × 1 = 5]**

21) Clinical thermometer	-	A form of energy
22) Heat	-	100^0C
23) Boiling point of water	-	Kink
24) Food producer (plant cell)	-	Mitochondria
25) Energy producer	-	Chloroplasts

V. **Analogy.** **[3 × 1 = 3]**

26) Physical Change	: Boiling	:: Chemical Change	: _____.
27) Forest fire	: _____change	::Change in period in a school	: periodic change
28) Cell wall	: plant cell	:: centriole	: _____.

VI. Very short answer type question. **[2 × 1 = 2]**

29) Why do we jerk a clinical thermometer before we measure the body temperature?
30) State two examples of periodic changes.

VII. Give Short answer. (Any Five) **[5 × 2 = 10]**

31) Why do we use Mercury in thermometers? Can water be used instead of mercury? What are the problems in using it?
32) The body temperature of Srinath is 99^0F. Is he suffering from fever? If so, why?
33) Distinguish physical and chemical changes.
34) Is solar eclipse a periodic change? Give your reason.
35) What are the functions of cell wall in plant cell?
36) Why lysosomes are known as scavengers of the cell?

VIII. Long Answer type question. **[2 × 5 = 10]**

37) a) Draw the diagram of a clinical thermometer and label its parts.

(OR)

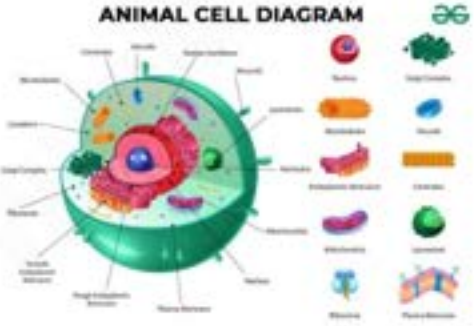
b) Explain the following statement: Digestion is a chemical change.

38) a) Write about any three organelles in detail.

(OR)

b) In a situation, how to explain, while your friend ask what is this, never seen before?

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