FORMATIVE ASSESSMENT-1

CHAPTER-1, 2 : MATTER IN OUR SURROUNDINGS, MOTION
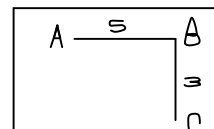
Name:…………………………………….. Section:………… Roll No:………..…   Max.Marks:20

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I. Answer the following questions. Each carries four marks.   2 x 4 = 8 M

1) How can you perform the experiment to observe the motion of a body on an inclined plane. Explain. What are your observations?

2) $S = ut + \frac{1}{2}at^2$ ….. Derive this equation of motion.

II. Answer the following questions briefly. Each carries two marks.   2 x 2 = 4 M

3) A body travelled from A to B and B to C along the path given in figure. Then find the Distance travelled by the body and the displacement of the body. AB and BC paths are perpendicular to each other.

4) A body starts from rest and travelled with uniform acceleration 2 m/s^2 for 2 minutes. What is the final velocity of the body.

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

5) Give one example for the process of sublimation.

6) Which substances diffuses quickly?

IV. Choose the correct choice and write down in the given brackets.   4 x 1 = 4 M

7) When ice melts, its temperature   [   ]
 A. Remains constant   **B.** Increases
 C. Decreases   **D.** We can not say

8) The water vapour in the air is called   [   ]
 A. mist   **B.** fog   **C.** Humidity   **D.** rain

9) Select the formula for acceleration from the following   [   ]
 A. $a = \frac{u-v}{2}$ **B.** $a = \frac{v-u}{2}$
 C. $a = \frac{u-v}{t}$ **D.** $a = \frac{v-u}{t}$

10) Water boils at …………………... ^{o}C   [   ]
 A. 50   **B.** 100   **C.** 120   **D.** 98

11) Decreasing of volume by applying pressure is called ……………………   [   ]
 A. Diffusion   **B.** Compressibility **C.** Density   **D.** Pressure

12) Rate of change in velocity is ………………………………………………………….   [   ]
 A. Speed   **B.** Acceleration   **C.** Displacement   **D.** Force